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OM nucleic - nucleic search, using sw model

Run on: February 4, 2002, 13:11:30 ; Search time 1345.73 Seconds
(without alignments)
5737.169 Million cell updates/sec

Title: US-09-612-921-3

Perfect score: 468
Sequence: 1 atgctctgagtgaggcgct.....acttcacagctgtgactag 468

Scoring table: OLIGO_NUC
Gapop 60.0 , Gapext 60.0

Searched: 1472140 seqs, 8248589755 residues

Word size : 30

Total number of hits satisfying chosen parameters: 18

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Listing first 45 summaries

Database :

- 1: GenEmbl.*
- 2: gb_ba.*
- 3: gb_htg.*
- 4: gb_in.*
- 5: gb_om.*
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- 7: gb_pat.*
- 8: gb_ph.*
- 9: gb_pl.*
- 10: gb_pr.*
- 11: gb_ro.*
- 12: gb_sts.*
- 13: gb_sy.*
- 14: gb_un.*
- 15: gb_vl.*
- 16: em_ba.*
- 17: em_fun.*
- 18: em_hum.*
- 19: em_in.*
- 20: em_om.*
- 21: em_or.*
- 22: em_ov.*
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- 26: em_ro.*
- 27: em_sts.*
- 28: em_un.*
- 29: em_vl.*
- 30: em_htgo_hum.*
- 31: em_htgo_inv.*
- 32: em_htgo_inv.*
- 33: em_htg_hum.*
- 34: em_htg_inv.*
- 35: em_htg_inv.*
- 36: em_htg_inv.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Match	Length	DB	ID	Description
1	468	100.0	468	9	AF230377	AF230377 Homo sapi
2	468	100.0	1282	6	AX069307	AX069307 Sequence
3	468	100.0	1288	9	AF201830	AF201830 Homo sapi
4	468	100.0	2563	6	AX080389	AX080389 Sequence
5	468	100.0	2598	6	AX092420	AX092420 Sequence
6	468	100.0	2604	9	HSN424238	AJ242738 Homo sapi
7	468	100.0	2613	9	HSN424237	AJ242737 Homo sapi
8	468	100.0	2648	6	AX069309	AX069309 Sequence
9	468	100.0	2720	6	AF186094	AF186094 Homo sapi
10	465	99.4	465	6	AX080398	AX080398 Sequence
11	243	51.9	357	6	AX069305	AX069305 Sequence
12	243	51.9	985	6	AX069310	AX069310 Sequence
13	227	48.5	5751	6	AX080431	AX080431 Sequence
14	227	48.5	6540	6	HSN4271338	AJ271338 Homo sapi
15	227	48.5	6540	9	AF216693	AF216693 Homo sapi
16	227	48.5	7605	6	AX069311	AX069311 Sequence
17	227	48.5	197308	9	AC016724	AC016724 Homo sapi
18	227	48.5	197308	9	AC016724	AC016724 Homo sapi

ALIGNMENTS

RESULT 1
AF230377 468 bp mRNA PRI 02-AUG-2000
LOCUS Homo sapiens Interleukin-1 delta mRNA, complete cds.
DEFINITION AF230377
ACCESSION AF230377
VERSION AF230377.1 GI:9651788
KEYWORDS
SOURCE human.
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.
REFERENCE 1 (bases 1 to 468)
AUTHORS Debets,R., Timans,J.C., Zurawski,S., Sana,T.R., Bazan,F. and Kastelein,R.A.
TITLE Novel IL-1 ligands IL-1d and IL-1e use IL-1R related protein 2
JOURNAL Unpublished
AUTHORS Kastelein,R.A., Timans,J.C., Sana,T., Debets,R. and Bazan,F.
REFERENCE 2 (bases 1 to 468)
AUTHORS Kastelein,R.A., Timans,J.C., Sana,T., Debets,R. and Bazan,F.
TITLE Direct Submission
JOURNAL Submitted (01-FEB-2000) Molecular Biology, DMAX Research Institute, 901 California Ave, Palo Alto, CA 94304, USA
FEATURES
source
1..468
/organism="Homo sapiens"
/db_xref="taxon:9606"
/chromosome="2"
/map="2q"
1..468
/note="IL-1delta"
/codon_start=1
/product="interleukin-1 delta"
/protein_id="AA091274.1"
/db_xref="GI:9651789"
/translation="MVLGALCFRMRKDSALVLYLHNNQLIAGLHACKVIRGEISV
VFNRLDASLPVILGVGGSCGCGOEPYLLPEVIMELVIGAKESKSPFYR
RDMGITSFESAAVPGWFLCTVPEPDQVRLTOLPENGMNAPITDFEQCD"
BASE COUNT 95 a 128 c 142 g 103 t
ORIGIN

Query Match 100.0%; Score 468; DB 9; Length 468;
Best local similarity 100.0%; Pred. No. 5; Ae-272;
Matches 468; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Db 1 ATGCTCTGAGTGGGCGCTGTCTTCGGAATGAAGAGCTCGACATGAAGGTCTTAT 60

QY 61 ctgataataaccagctcttaagcttgaggagctgcatgcaaggagaaagcttaaaagtgaa 120
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QY 181 gtccaaagtgtgaagccagctgtgctgtcaatgtgggttgaggagagagccagacttaacacta 240
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Db 181 GTCCAGAGGTGGAAGCCAGTGCCTGTCTATGTGGGTGGGAGAGAGCCGACTTAACACTA 240
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QY 301 tacaggcggagacatgggagctcacctccagcttcagagctgtgctacccgggctgtgttc 360
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Db 301 TACCGCGGGAGACATGGGGCTCACCTCCAGCTTCGAGTCCGGCTCCTTACCCGGGCTGTGTT 360
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Db 361 CTGTGACAGGTGTGCTGAAACCCGATCAGCTGTCTAGACTACCCAGCTTCCCGAAGATGTG 420
QY 421 ggctggaatggccccaatcaagacttctacttccagcagctgtgactag 468
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Db 421 GGCTGGAATGCCCCCTACAGACTTCTACTTCCAGCAGTGTGACTAG 468

RESULT 2
AX069307 1282 bp DNA PAT 25-JAN-2001
LOCUS AX069307 Sequence 4 from Patent WO0102571.
DEFINITION AX069307
ACCESSION AX069307.1 GI:12579179
VERSION AX069307.1 GI:12579179
KEYWORDS
SOURCE human.
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Homidae; Homo.
REFERENCE 1 (bases 1 to 1282)
AUTHORS Ford, J. and Pace, A.
TITLE A interleukin-1 receptor antagonist and uses thereof
JOURNAL Patent: WO 0102571-A 4 11-JAN-2001;
HYSEQ, INC. (US)
FEATURES
source location/Qualifiers
1..1282
/organism="Homo sapiens"
/db_xref="taxon:9606"
73..540
/note="unnamed protein product"
/codon_start=1
/protein_id="CAC27298.1"
/db_xref="GI:12579180"
/translation="MVLGALCFRMRKDSALKVLYLHNNQLAGLHAGKVIKGEISV
VPRWLDASLSPVILGVOGSGCLSGVGOEPTLLEPVNIMELYLGAKESSPTFYR
RDMGLTSFESAAYPGWFLCTYPPADQVYRLQLPENGWNAPIIDFYFOQCD"
BASE COUNT 294 a 337 c 350 g 301 t
ORIGIN

Query Match 100.0%; Score 468; DB 6; Length 1282;
Best Local Similarity 100.0%; Pred. No. 5.5e-272;
Matches 468; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 atgtgccttaagtgaggcgctgtgcttcgaaatgaagcagcagcatggaagtgttat 60
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Db 73 ATGCTCTCTAGTGGGGCGCTGTGCTTCCCAATGAGAGACTCGGCAATTGAAAGTGTATT 132
QY 61 ctgataataaccagctcttaagcttgaggagctgcatgcaaggagaaagcttaaaagtgaa 120
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Db 133 CTGCTAATAATACCAAGCTTCTAGCTGAGAGGCTGCATGCAGGAGAGTCAATTAAGGTGAA 192

QY 121 gagatacagctgtgtcccaatcagctgtgctgagatgcaagcctgtcccgctcaatccgaggt 180
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Db 193 GAGATCAGGTGTGTCCCAATCGGTGGTGGATGCCAGCGCTGTCCCGCATCTCGGGGT 252
QY 181 gtccaaagtgtgaagccagctgtgctgtcaatgtgggttgaggagagagccagacttaacacta 240
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Db 253 GTCCAGAGGTGGAAGCCAGTGCCTGTCTATGTGGGTGGGAGAGAGCCGACTTAACACTA 312
QY 241 gagccagtaaacatcatggaagctctatctgtgtgccaagaagatccaaagagctcaccttc 300
|||||
Db 313 GAGCCAGTAATACTATGAGAGCTTATCTTGGTGCCAAAGAAATCCAGAGCTTACACTTC 372
QY 301 tacaggcggagacatgggagctcacctccagcttcagagctgtgctacccgggctgtgttc 360
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Db 373 TACCGCGGGAGACATGGGGCTCACCTCCAGCTTCGAGTCCGGCTCCTTACCCGGGCTGTGTT 432
QY 361 ctgtgacagctgtgctgtgaagccagatcagcctgtcagagctaacccagcttcccgagagtggt 420
|||||
Db 433 CTGTGACAGGTGTGCTGAAACCCGATCAGCTGTCTAGACTACCCAGCTTCCCGAAGATGTG 492
QY 421 ggctggaatggccccaatcaagacttctacttccagcagctgtgactag 468
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Db 493 GGCTGGAATGCCCCCTACAGACTTCTACTTCCAGCAGTGTGACTAG 540

RESULT 3
AF201830 1288 bp mRNA PRI 16-JAN-2000
LOCUS AF201830 Homo sapiens FIL1 delta mRNA, complete cds.
DEFINITION AF201830
ACCESSION AF201830
VERSION AF201830.1 GI:6694387
KEYWORDS
SOURCE human.
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Homidae; Homo.
REFERENCE 1 (bases 1 to 1288)
AUTHORS Smith, D.E., Renshaw, B.R., Ketchum, R.R., Kubin, M., Garka, K.E. and
Sims, J.E.
TITLE Four new members expand the interleukin-1 superfamily
JOURNAL J. Biol. Chem. 275 (2), 1169-1175 (2000)
MEDLINE 20092888
REFERENCE 2 (bases 1 to 1288)
AUTHORS Sims, J.E.
TITLE Direct Submission
JOURNAL Submitted (04-NOV-1999) Molecular Genetics, Immunex Corporation, 51
University Street, Seattle, WA 98101, USA
FEATURES
source location/Qualifiers
1..1288
/organism="Homo sapiens"
/db_xref="taxon:9606"
/chromosome="2"
/map="2q; between D2S121 and D2S110"
28..495
/note="similar to IL-1"
/codon_start=1
/product="FIL1 delta"
/protein_id="AAF25210.1"
/db_xref="GI:6694388"
/translation="MVLGALCFRMRKDSALKVLYLHNNQLAGLHAGKVIKGEISV
VPRWLDASLSPVILGVOGSGCLSGVGOEPTLLEPVNIMELYLGAKESSPTFYR
RDMGLTSFESAAYPGWFLCTYPPADQVYRLQLPENGWNAPIIDFYFOQCD"
BASE COUNT 312 a 324 c 340 g 312 t
ORIGIN

Query Match 100.0%; Score 468; DB 9; Length 1288;
Best Local Similarity 100.0%; Pred. No. 5.5e-272;
Matches 468; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 atgtgccttaagtgaggcgctgtgcttcgaaatgaagcagcagcatggaagtgttat 60
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Db 28 ATGTCCTGAGTGGGGCCGTGTGCTTCGATGAAGACTCGGCATTTGAAGTCTTAT 87
Qy 61 ctgcataataaccagcttcctagctctggaagctgcatgcaaggaaagtcataaagtgaa 120
Db 88 CTGCAATAATTAACACACTCTTACCTGGAGGGCTGCATGCGAGAGGTCAATTAAGGTGAA 147
Qy 121 gagatcaacgtgtgtcccaatcgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgt 180
Db 148 GAGATCAGCGTGTGTCCCAATGTGGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 207
Qy 181 gtccagggtggaagccagctgctgctgcatgtgtgtgtgtgtgtgtgtgtgtgtgtgtgt 240
Db 208 GTCCAGGGGTGAAGCCAGT 267
Qy 241 gagccagtggaatcatatgagctctatctgtgtgtgtgtgtgtgtgtgtgtgtgtgtgt 300
Db 268 GAGCCAGTGAATCATATGAGAGCTTATCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 327
Qy 301 tacggcggaacatgaggtgctacccctcagcttcaggtgtgtgtgtgtgtgtgtgtgtgt 360
Db 328 TACCGGGGGACATGGGGCTGACCTCCAGCTTCGAGTGGGTGTGTGTGTGTGTGTGTGTGT 387
Qy 361 ctgtgcaacgt 420
Db 388 CTGTGACGGT 447
Qy 421 ggtctggaatgt 468
Db 448 GCGTGAATGCCCCCATCATCAGACTTCTTACTTCAGCACTGTGACTAG 495

RESULT 4

LOCUS AX080389 2563 bp DNA
DEFINITION Sequence 1 from Patent WO0105974.
ACCESSION AX080389
VERSION AX080389.1 GI:13159840

KEYWORDS

SOURCE human.

ORGANISM

Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

Mammalia; Eutheria; Primates; Catarrhini; Homiidae; Homo.

REFERENCE 1 (bases 1 to 2563)
AUTHORS Nicklin,M. and Barton,J.TITLE The 11-111 gene and polypeptide products
JOURNAL Patent: WO 0105974-A 1 25-JAN-2001;Interleukin Genetics, Inc. (US)
FEATURES
source Location/Qualifiers1..2563
/organism="Homo sapiens"BASE COUNT 679 a 579 c 635 g 670 t
ORIGIN

Query Match 100.0%; Score 468; DB 6; Length 2563;
Best Local Similarity 100.0%; Pred. No. 5.6e-272;
Matches 468; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 30 ATGTCCTGAGTGGGGCCGTGTGCTTCGGAATGAAGACTCGGCATTTGAAGTCTTAT 89
Qy 61 ctgcataataaccagcttcctagctctggaagctgcatgcaaggaaagtcataaagtgaa 120
Db 90 CTGCAATAATTAACACACTCTTACCTGGAGGGCTGCATGCGAGAGGTCAATTAAGGTGAA 149
Qy 121 gagatcaacgtgtgtcccaatcgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgt 180
Db 150 GAGATCAGCGTGTGTCCCAATGTGGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 209
Qy 181 gtccagggtggaagccagctgctgctgcatgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgt 240

Db 210 GTCCAGGGGTGAAGCCAGT 269
Qy 241 gagccagtggaatcatatgagctctatctgtgtgtgtgtgtgtgtgtgtgtgtgtgtgt 300
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Qy 301 tacggcggaacatgaggtgctacccctcagcttcaggtgtgtgtgtgtgtgtgtgtgtgt 360
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Qy 361 ctgtgcaacgt 420
Db 390 CTGTGACGGT 449
Qy 421 ggtctggaatgt 468
Db 450 GCGTGAATGCCCCCATCATCAGACTTCTTACTTCAGCACTGTGACTAG 497

RESULT 5

LOCUS AX092420 2598 bp DNA
DEFINITION Sequence 151 from Patent WO0116318.
ACCESSION AX092420
VERSION AX092420.1 GI:13444524

KEYWORDS

SOURCE human.

ORGANISM

Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

Mammalia; Eutheria; Primates; Catarrhini; Homiidae; Homo.

REFERENCE 1 (bases 1 to 2598)
AUTHORS Eaton,D.L., Filvaroff,E., Gerritsen,M.E., Goddard,A.,

Godowski,P.J., Grimaldi,C.J., Gurney,A.L., Watanabe,C.K. and

Wood,W.I.

TITLE Secreted and transmembrane polypeptides and nucleic acids encoding

the same
JOURNAL Patent: WO 0116318-A 151 08-MAR-2001;

FEATURES

source Location/Qualifiers

1..2598
/organism="Homo sapiens"BASE COUNT 687 a 590 c 648 g 673 t
ORIGIN

Query Match 100.0%; Score 468; DB 6; Length 2598;
Best Local Similarity 100.0%; Pred. No. 5.6e-272;
Matches 468; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 127 CTGCAATAATTAACACACTCTTACCTGGAGGGCTGCATGCGAGAGGTCAATTAAGGTGAA 186
Qy 121 gagatcaacgtgtgtcccaatcgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgt 180
Db 187 GAGATCAGCGTGTGTCCCAATGTGGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 246
Qy 181 gtccagggtggaagccagctgctgctgcatgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgt 240
Db 247 GTCCAGGGGTGAAGCCAGT 306
Qy 241 gagccagtggaatcatatgagctctatctgtgtgtgtgtgtgtgtgtgtgtgtgtgtgt 300
Db 307 GAGCCAGTGAATCATATGAGAGCTTATCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 366
Qy 301 tacggcggaacatgaggtgctacccctcagcttcaggtgtgtgtgtgtgtgtgtgtgtgtgt 360
Db 367 TACCGGGGGACATGGGGCTGACCTTCAGCTTCGAGTGGGTGTGTGTGTGTGTGTGTGTGT 426

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QY 361 ctgtgcaggttcctgaagccgagtcagctgtacagacttaacccagctcccgagaatgt 420
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Db 487 GGCTGAATGCCCCATCAGACTCTTACTTCCACAGGTGACTAG 534

RESULT 6
HSA242738 2604 bp mRNA PRI 02-NOV-2000
LOCUS Homo sapiens mRNA for Interleukin-1-like protein 1 (IL1L1 gene)
DEFINITION transcript 2.
ACCESSION AJ242738.1 GI:6165335
VERSION AJ242738.1
KEYWORDS IL1L1 gene; Interleukin-1-like protein 1.
SOURCE human.
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
REFERENCE 1 (bases 1 to 2604)
AUTHORS Barton,J.L., Herbst,R., Bosisto,D., Higgins,L. and Nicklin,M.J.
TITLE A tissue specific IL-1 receptor antagonist homolog from the IL-1
JOURNAL Eur. J. Immunol. 30 (11), 3299-3308 (2000)
MEDLINE 20545212
REFERENCE 2 (bases 1 to 2604)
AUTHORS Nicklin,M.J.
TITLE Direct Submission
JOURNAL Submitted (09-JUN-1999) Nicklin M.J., Division of Molecular and
Genetic Medicine, University of Sheffield, Royal Hallamshire
Hospital, Glossop Road, Sheffield, S10 2UF, UNITED KINGDOM
FEATURES
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            /db_xref="SPTREMBL:Q9UBH0"
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BASE COUNT 698 a 579 c 656 g 671 t
ORIGIN
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Query Match 100.0%; Score 468; DB 9; Length 2604;
Best Local Similarity 100.0%; Pred. No. 5.6e-272;
Matches 468; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 193 GAGATCAGCGTGTGCCCAATCGGTGGATGCCAGCGCTGCCCGCATCTCGGG 252
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Db 253 GTCCAGGTGGGAAGCCAGTGCCTGTGATGTGGGTGGCAGAGCCGACTTAACACTA 312
QY 241 gaacagtgatacatctgagactctatctgtgtgcagaagaatccaagactcacctc 300
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Db 313 GAGCCAGTCACTCATGTGAGCTCTATCTTGGTCCCAAGGAATCCAAAGACTTCACCTTC 372
QY 301 taccggcgggacatggtggtcaccctcaccgcttcagtcggtcctaccgggctgttc 360
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Db 373 TACCGCGGAGCATGAGGGGCTACCTCCAGCTTGAGTCGAGCTCCTAACCCGGGCTGTTTC 432
QY 361 ctgtgcaggttcctgaagccgagtcagctgtcagacttaacccagctcccgagaatgt 420
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Db 433 CTGTGCAGGTCCTGAAGCCGATCAGCCTGTGAGACTACCCAGCTTCCCGAATGGT 492
QY 421 ggcctgaatgcacccacacagacttacttccagcagtgtagctag 468
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Db 493 GGCTGAATGCCCCATCAGACTCTTACTTCCACAGGTGACTAG 540

RESULT 7
HSA242737 2613 bp mRNA PRI 02-NOV-2000
LOCUS Homo sapiens mRNA for Interleukin-1-like protein-1 (IL1L1 gene),
DEFINITION transcript 1.
ACCESSION AJ242737
VERSION AJ242737.1 GI:6165333
KEYWORDS IL1L1 gene; Interleukin-1-like protein-1.
SOURCE human.
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
REFERENCE 1 (bases 1 to 2613)
AUTHORS Barton,J.L., Herbst,R., Bosisto,D., Higgins,L. and Nicklin,M.J.
TITLE A tissue specific IL-1 receptor antagonist homolog from the IL-1
JOURNAL Eur. J. Immunol. 30 (11), 3299-3308 (2000)
MEDLINE 20545212
REFERENCE 2 (bases 1 to 2613)
AUTHORS Nicklin,M.J.
TITLE Direct Submission
JOURNAL Submitted (09-JUN-1999) Nicklin M.J., Division of Molecular and
Genetic Medicine, University of Sheffield, Royal Hallamshire
Hospital, Glossop Road, Sheffield, S10 2UF, UNITED KINGDOM
FEATURES
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            /gene="IL1L1"
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            2613
BASE COUNT 695 a 593 c 649 g 676 t
ORIGIN
    polyA_site
        2613
evidence=experimental

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Query Match 100.0% Score 468: DB 9: Length 2613;
 Best Local Similarity 100.0% Pred. No. 5.6e-272;
 Matches 468: Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 atgtcttaagtgaggcgctgtgtcttccgaatgaagagctcgccattgaaggtgcttatt 60
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 DB 82 atgtcttaagtgaggcgctgtgtcttccgaatgaagagctcgccattgaaggtgcttatt 141
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OY 61 ctgcataataaccagcttctgaagtgaggcgctgtgtcttccgaatgaagagctcgccattgaaggtgaa 120
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 DB 142 ctgcataataataaccagcttctgaagtgaggcgctgtgtcttccgaatgaagagctcgccattgaaggtgaa 201
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OY 121 gagatcagtggtgtcccaatcagtgaggcgctgtgtcttccgaatgaagagctcgccattgaaggtgaa 180
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 DB 202 gagatcagtggtgtcccaatcagtgaggcgctgtgtcttccgaatgaagagctcgccattgaaggtgaa 261
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OY 181 gtccaggttgaagcagtgctgtctatgttgaggcgctgtgtcttccgaatgaagagctcgccattgaaggtgaa 240
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 DB 262 gtccaggttgaagcagtgctgtctatgttgaggcgctgtgtcttccgaatgaagagctcgccattgaaggtgaa 321
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OY 241 gagcaggtgaacatcatgagcttctatctgtgtccgaaggaatccaagagcttacccttc 300
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 DB 322 gagcaggtgaacatcatgagcttctatctgtgtccgaaggaatccaagagcttacccttc 381
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OY 301 taccgaggtgaacatcatgagcttctatctgtgtccgaaggaatccaagagcttacccttc 360
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 DB 382 taccgaggtgaacatcatgagcttctatctgtgtccgaaggaatccaagagcttacccttc 441
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OY 361 ctgtgcaagtgctgtgaagcagatcagctgttcaagactcaccagcttcccgagaatgtgt 420
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 DB 442 ctgtgcaagtgctgtgaagcagatcagctgttcaagactcaccagcttcccgagaatgtgt 501
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OY 421 ggcctgaatgcccccatcagagcttctacttccagagtgtagtag 468
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 DB 502 ggcctgaatgcccccatcagagcttctacttccagagtgtagtag 549
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RESULT 8
 AX069309 2648 bp DNA PAT 25-JAN-2001
 LOCUS AX069309 Sequence 6 from Patent WO0102571.
 DEFINITION AX069309
 ACCESSION AX069309
 VERSION AX069309.1 GI:12579181
 KEYWORDS
 SOURCE human.
 ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.
 REFERENCE 1 (bases 1 to 2648)
 AUTHORS Ford, J. and Pace, A.
 TITLE A interleukin-1 receptor antagonist and uses thereof
 JOURNAL Patent: WO 0102571-A 6 11-JAN-2001;
 HYSEQ, INC. (US)
 FEATURES
 source 1. 2648
 /organism="Homo sapiens"
 /db_xref="taxon:9606"

BASE COUNT 744 a 589 c 644 g 671 t
 ORIGIN

Query Match 100.0% Score 468: DB 6: Length 2648;
 Best Local Similarity 100.0% Pred. No. 5.6e-272;
 Matches 468: Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 atgtcttaagtgaggcgctgtgtcttccgaatgaagagctcgccattgaaggtgcttatt 60
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 DB 62 atgtcttaagtgaggcgctgtgtcttccgaatgaagagctcgccattgaaggtgcttatt 121
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OY 61 ctgcataataaccagcttctgaagtgaggcgctgtgtcttccgaatgaagagctcgccattgaaggtgaa 120
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DB 122 CTGCATATAACAGCTTCTAGCTGAGGCGCTGATCGAGGAAGGTCAATTAAGGTGAA 181

OY 121 gagatcagtggtgtcccaatcagtgaggcgctgtgtcttccgaatgaagagctcgccattgaaggtgaa 180
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DB 182 GAGATCAGGCGTGTCCCAATCGGTGAGATGCCAGCTTCCCTCCATCCGTGGGT 241
 |||||

OY 181 gtccaggttgaagcagtgctgtctatgttgaggcgctgtgtcttccgaatgaagagctcgccattgaaggtgaa 240
 |||||

DB 242 GTCCAGGTTGGAAGCCAGTGCCTGTATGTGGTCCCAAGGAATCCAGAGCTTCACTTACACTTA 301
 |||||

OY 241 gagcaggtgaacatcatgagcttctatctgtgtccgaaggaatccaagagcttacccttc 300
 |||||

DB 302 GAGCCAGTGAACATCATGAGCTTATCTTGGTCCCAAGGAATCCAGAGCTTCACTTACACTTAC 361
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OY 301 taccgaggtgaacatcatgagcttctatctgtgtccgaaggaatccaagagcttacccttc 360
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DB 362 TACCGGCGGAGACATGAGGCGTCACTTCCAGCTTCACTTCCAGTCCGCGGCGTGGTC 421
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OY 361 ctgtgcaagtgctgtgaagcagatcagctgttcaagactcaccagcttcccgagaatgtgt 420
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DB 422 CTGTGACGCGTGTCTTAACACCATGAGCTTGTGAGACTCACCAGCTTCCCGAGAATGTGT 481
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OY 421 ggcctgaatgcccccatcagagcttctacttccagagtgtagtag 468
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DB 482 GGCCTGAATGCCCCCATCAGAGCTTCTACTTCCAGAGTGTGACTAG 529
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RESULT 9
 AF186094 2720 bp mRNA PRI 16-OCT-1999
 LOCUS AF186094 Homo sapiens interleukin-1 receptor antagonist homolog (IL1HY1)
 DEFINITION AF186094
 ACCESSION AF186094
 VERSION AF186094.1 GI:6049804
 KEYWORDS
 SOURCE human.
 ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.
 REFERENCE 1 (bases 1 to 2720)
 AUTHORS Mulero, J., Pace, A.M., Nelken, S.T., Loeb, D.B., Correa, T.R.,
 Drmanac, R. and Ford, J.E.
 TITLE IL1HY1: A Novel Interleukin-1 Receptor Antagonist Gene
 JOURNAL Biochem. Biophys. Res. Commun. 263 (3), 702-706 (1999)
 PUBMED 10512743
 REFERENCE 2 (bases 1 to 2720)
 AUTHORS Mulero, J., Pace, A.M., Nelken, S.T., Loeb, D.B., Correa, T.R.,
 Drmanac, R. and Ford, J.E.
 TITLE Direct Submission
 JOURNAL Submitted (13-SEP-1999) Functional Genomics, HYSEQ Inc., 670
 Almador Ave., Sunnyvale, CA 94086, USA
 FEATURES
 source 1. 2720
 Location/Qualifiers
 1. 2720
 /organism="Homo sapiens"
 /db_xref="taxon:9606"

gene 1. 2720
 /gene="IL1HY1"

CDS 163..630
 /gene="IL1HY1"
 /note="IL-1ra homolog"

product="interleukin-1 receptor antagonist homolog"

protein_id="AA02757.1"

translation="MVLGALCFRKKDSALKVLYLHNNQLAGGLHAKVTKGERISV
 VPRNIDSLSPVILGVGSGQSCGSGGPEPTLLEPVNIMELYLGAKESKSTFPR
 RDMGITSFESAAYPGWFLCTVPEADDPVRLQLPENGMNAPITIDFVFOGD"

BASE COUNT 735 a 621 c 671 g 693 t
 ORIGIN

Query Match 100.0% Score 468: DB 9: Length 2720;
 Best Local Similarity 100.0% Pred. No. 5.7e-272;

Matches 468: Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 atgtctcagtagtgggagctgtgtctcgaatgaaggaactcggcaltgaagtgtttat 60
DB 163 ANGGTCCTAGTGGGGCGCTGTGCTTCCGAATGAAGACTCCGCATTGAAGGCTTTAT 222

QY 61 ctgcataataacaagctttagctgtgagaggtctgcatgacgaggaagttcaatgaagtga 120
DB 223 CTGCATTAATACAGCTTCTAGCTGAGGAGGCTGCATGCAAGGAGTCAATTAAGGTGA 282

QY 121 gagatacagtggtccccaatcagltgctgagatgcagcctgtcccccgtlcaactcgtgt 180
DB 283 GAGATCAGGTGCTGTCCCAATCGTGGTGGATGCCAGCCTGTCCCGCATCTGGGG 342

QY 181 gtccaaagtgtggaagcagatgtcctgtcatgtggtgtgggaggaagccagacttaacta 240
DB 343 GTCCAGGAGGGAAGCCAGTGCCTGTCTATGTGGGTGGGCAAGAGCCGACTTAACATA 402

QY 241 gagccagtaacaatactgagactctatcttgtgtgccaagaatccaagaagctcaccttc 300
DB 403 GAGCCAGTAACTCATCTGAGCTCTATCTTGTGGTCCCAAGAAATCCAAAGACTTCACTTC 462

QY 301 taacggcggagacatgggggtcaccctcagcttcagagtcggctgtcctaaccggctgttc 360
DB 463 TACCGGCGGAGACATGGGGCTCACCTCCAGCTTCGAGTGGGCTCCTACCCGGGCTGGTTC 522

QY 361 cgtgtcagtgctgtcctgaagccgatacagctgtctgaagactcaaccagcttcccgagatgt 420
DB 523 CTGTGACGCTGTCTGAACCCGATGCAAGCTGTGAGACTCAACCGCTTCCCGAAGATGT 582

QY 421 ggcctgaatgcccccaatacaagacttctacttcacagcagtgtagac 468
DB 583 GGCTGGAATGCCCCCATCACAGACTTCTACTTCCACAGAGTGTACTAG 630

RESULT 10
AX080398 465 bp DNA PAT 22-FEB-2001
LOCUS AX080398 Sequence 10 from Patent WO0105974.
DEFINITION AX080398
ACCESSION AX080398
VERSION AX080398.1 GI:13159844
KEYWORDS
SOURCE human.
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominiidae; Homo.
REFERENCE 1 (bases 1 to 465).
AUTHORS Nicklin,M. and Barton,J.
TITLE The IL-11 gene and polypeptide products
JOURNAL Patent: WO 0105974-A 10 25-JAN-2001;
Interleukin Genetics, Inc. (US)
FEATURES
source Location/Qualifiers
1..465
/organism="Homo sapiens"
/db_xref="taxon:9606"
BASE COUNT 94 a 128 c 141 g 102 t
ORIGIN

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Best Local Similarity 100.0%; Pred. No. 3.6e-270;
Matches 465; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 1 ANGGTCCTAGTGGGGCGCTGTCTCCGAATGAAGACTCCGCATTGAAGGCTTTAT 60

QY 61 ctgcataataacaagctttagctgtgagaggtctgcatgacgaggaagttcaatgaagtga 120
DB 61 CTGCATTAATACAGCTTCTAGCTGAGGAGGCTGCATGCAAGGAGTCAATTAAGGTGA 120

QY 121 gagatacagtggtccccaatcagltgctgagatgcagcctgtcctccgctacactcgtgt 180
DB 121 GAGATCAGGTGCTGTCCCAATCGTGGTGGATGCCAGCCTGTCCCGCATCTGGGG 180

DB 121 GAGATCAGGTGCTGTCCCAATCGTGGTGGATGCCAGCCTGTCCCGCATCTGGGG 180

QY 181 gtccaaagtgtggaagcagatgtcctgtcatgtggtgtgggaggaagccagacttaacta 240
DB 181 GTCCAGGAGGGAAGCCAGTGCCTGTCTATGTGGGTGGGCAAGAGCCGACTTAACATA 240

QY 241 gagccagtaacaatactgagactctatcttgtgtgccaagaatccaagaagctcaccttc 300
DB 241 GAGCCAGTAACTCATCTGAGCTCTATCTTGTGGTCCCAAGAAATCCAAAGACTTCACTTC 300

QY 301 taacggcggagacatgggggtcaccctcagcttcagagtcggctgtcctaaccggctgttc 360
DB 301 TACCGGCGGAGACATGGGGCTCACCTCCAGCTTCGAGTGGGCTCCTACCCGGGCTGGTTC 360

QY 361 cgtgtcagtgctgtcctgaagccgatacagctgtctgaagactcaaccagcttcccgagatgt 420
DB 361 CTGTGACGCTGTCTGAACCCGATGCAAGCTGTGAGACTCAACCGCTTCCCGAAGATGT 420

QY 421 ggcctgaatgcccccaatacaagacttctacttcacagcagtgtagac 465
DB 421 GGCTGGAATGCCCCCATCACAGACTTCTACTTCCACAGAGTGTACTAG 465

RESULT 11
AX069304 357 bp DNA PAT 25-JAN-2001
LOCUS AX069304 Sequence 1 from Patent WO0102571.
DEFINITION AX069304
ACCESSION AX069304
VERSION AX069304.1 GI:12579176
KEYWORDS
SOURCE human.
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominiidae; Homo.
REFERENCE 1 (bases 1 to 357)
AUTHORS Ford,J. and Pace,A.
TITLE A interleukin-1 receptor antagonist and uses thereof
JOURNAL Patent: WO 0102571-A 1 11-JAN-2001;
HYSEQ, INC. (US)
FEATURES
source Location/Qualifiers
1..357
/organism="Homo sapiens"
/db_xref="taxon:9606"
misc_feature 1..357
/note="n = A,T,C or G"

BASE COUNT 62 a 95 c 84 g 57 t 59 others
ORIGIN

Query Match 51.9%; Score 243; DB 6; Length 357;
Best Local Similarity 100.0%; Pred. No. 1.4e-135;
Matches 243; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 226 ccgactctaacactagagccagtgtaacatcatgtgagctcatctgtgtccaaagaatcc 285
DB 1 CCGACTTCACTAAGTAGAGCCAGTGAACATCATGAGCTCATCTGTGTCGAAGGAATCC 60

QY 286 aagaagcttaaccttcaacggcgaggagacatgggggtcactccagcttgagtgctgccc 345
DB 61 AAGAGCTTCACTTCAACCGCGGAGATGGGCTCACCTCCAGCTTCAAGTGGGTGCC 120

QY 346 taacggagctgttctctgtgtgacagtgctggaagccagatcagctgtctgaactcacccag 405
DB 121 TACCCGGGCTGGTCTCTGTGACAGGTGCTGGAAGCCGATCAAGCTTCACTACACCCAG 180

QY 406 ctccccagaaatgtgtcgtgaatgtcccatcacagacttacttccagcagtgtagac 465
DB 181 CTTCGCCGAGAAATGGTGGAGAAATGCCCCCATCACAGACTTCTACTTCCAGCAGTGTGAC 240

QY 466 tag 468
DB 241 TAG 243

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RESULT 12
LOCUS AX069305 985 bp DNA PAT 25-JAN-2001
DEFINITION Sequence 2 from Patent WO0102571.
ACCESSION AX069305
VERSION AX069305.1 GI:12579177
KEYWORDS
SOURCE human.
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Homidae; Homo.
REFERENCE
1 (bases 1 to 985)
AUTHORS Ford, J. and Pace, A.
TITLE A interleukin-1 receptor antagonist and uses thereof
JOURNAL Patent: WO 0102571-A 2 11-JAN-2001;
HYSEQ, INC. (US)
FEATURES
source Location/Qualifiers
1..985
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<1..243
/note="unnamed protein product"
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/db_xref="GI:12579178"
/translation="PTLTLPYNNIMELYLKAKESKSTFYRRDMLTSSFSALPGW
FLCTYPEADQVRLTQLDPENGWNAPIITDFYFOCD"
BASE COUNT 232 a 264 c 249 g 240 t
ORIGIN

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Best Local Similarity 100.0%; Pred. No. 1.4e-135;
Matches 243; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 226 ccgactctaacactagagcagtgacatcatcagtcctatcttgtagcagaagatcc 285
DB 1 cggactctaacactagagcagtgacatcatcagtcctatcttgtagcagaagatcc 60
OY 286 aagagcttaacctcttaacccgcgagacatggggtcctacccagcttcgagtcgctgc 345
DB 61 aagagcttaacctcttaacccgcgagacatggggtcctacccagcttcgagtcgctgc 120
OY 346 tacccgggcttgctctctgtagcagtgctgctgaagccgacacccgtgtagactaccag 405
DB 121 tacccgggcttgctctctgtagcagtgctgctgaagccgacacccgtgtagactaccag 180
OY 406 ctcccgagaatgtagtgatgccccatcacagactcttaactccagcagtgtagc 465
DB 181 ctcccgagaatgtagtgatgccccatcacagactcttaactccagcagtgtagc 240
OY 466 tag 468
DB 241 TAG 243

RESULT 13
LOCUS AX069310 5751 bp DNA PAT 25-JAN-2001
DEFINITION Sequence 7 from Patent WO0102571.
ACCESSION AX069310
VERSION AX069310.1 GI:12579182
KEYWORDS
SOURCE human.
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Homidae; Homo.
REFERENCE
1. (bases 1 to 5751)
AUTHORS Ford, J. and Pace, A.
TITLE A interleukin-1 receptor antagonist and uses thereof
JOURNAL Patent: WO 0102571-A 7 11-JAN-2001;
HYSEQ, INC. (US)
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FEATURES
source Location/Qualifiers
1..5751
/organism="Homo sapiens"
/db_xref="taxon:9606"
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ORIGIN

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Best Local Similarity 100.0%; Pred. No. 7.5e-126;
Matches 227; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 242 agccagtgacatcatcagtgagctctatcttgtagcagaagatccaaagacttaccctt 301
DB 4073 agccagtgacatcatcagtgagctctatcttgtagcagaagatccaaagacttaccctt 4132
OY 302 accgcgaggacatlggggtcctaccctccagcttcgagtcgctgctaccacggcgctgtcc 361
DB 4133 accgcgaggacatlggggtcctaccctccagcttcgagtcgctgctaccacggcgctgtcc 4192
OY 362 tgtgcaggtgctctgaagccgcatcagcctgtgtagatccacagcttcccgagaatggtg 421
DB 4193 tgtgcaggtgctctgaagccgcatcagcctgtgtagatccacagcttcccgagaatggtg 4252
OY 422 gctggaatgccccatcacagacttctacttccagcagtgtagcag 468
DB 4253 gctggaatgccccatcacagacttctacttccagcagtgtagcag 4299
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RESULT 14
LOCUS AX080431 6540 bp DNA PAT 22-FEB-2001
DEFINITION Sequence 43 from Patent WO0105974.
ACCESSION AX080431
VERSION AX080431.1 GI:13159871
KEYWORDS
SOURCE human.
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Homidae; Homo.
REFERENCE
1 (bases 1 to 6540)
AUTHORS Nicklin, M. and Barton, J.
TITLE The IL-11 gene and polypeptide products
JOURNAL Patent: WO 0105974-A 43 25-JAN-2001;
Interleukin Genetics, Inc. (US)
FEATURES
source Location/Qualifiers
1..6540
/organism="Homo sapiens"
/db_xref="taxon:9606"
BASE COUNT 1747 a 1458 c 1709 g 1626 t
ORIGIN

Query Match 48.5%; Score 227; DB 6; Length 6540;
Best Local Similarity 100.0%; Pred. No. 7.5e-126;
Matches 227; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 242 agccagtgacatcatcagtgagctctatcttgtagcagaagatccaaagacttaccctt 301
DB 4232 agccagtgacatcatcagtgagctctatcttgtagcagaagatccaaagacttaccctt 4291
OY 302 accgcgaggacatlggggtcctaccctccagcttcgagtcgctgctaccacggcgctgtcc 361
DB 4292 accgcgaggacatlggggtcctaccctccagcttcgagtcgctgctaccacggcgctgtcc 4351
OY 362 tgtgcaggtgctctgaagccgcatcagcctgtgtagatccacagcttcccgagaatggtg 421
DB 4352 tgtgcaggtgctctgaagccgcatcagcctgtgtagatccacagcttcccgagaatggtg 4411
OY 422 gctggaatgccccatcacagacttctacttccagcagtgtagcag 468
DB 4412 gctggaatgccccatcacagacttctacttccagcagtgtagcag 4458
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RESULT 15
LOCUS HSA271338 6540 bp DNA PRI 02-NOV-2000
DEFINITION Homo sapiens IL1L1 gene for Interleukin-1 like protein 1, exons
1-6.
ACCESSION AJ271338.1 GI:6729586
VERSION AJ271338.1
KEYWORDS IL1L1 gene; Interleukin-1 like protein 1.
SOURCE human.
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Homiidae; Homo.
REFERENCE 1 (bases 1 to 6540)
AUTHORS Barton, J.L., Herbst, R., Bosisto, D., Higgins, L. and Nicklin, M.J.
TITLE A tissue specific IL-1 receptor antagonist homolog from the IL-1
cluster lacks IL-1, IL-1ra, IL-18 and IL-18 antagonist activities
JOURNAL Eur. J. Immunol. 30 (11), 3299-3308 (2000)
MEDLINE 20545212
REFERENCE 2 (bases 1 to 6540)
AUTHORS Nicklin, M.J.H.
TITLE Direct Submission
JOURNAL Submitted (17-JAN-2000) Nicklin M.J.H., Division of Molecular and
Genetic Medicine, University of Sheffield, Royal Hallamshire
Hospital, Sheffield, South Yorkshire, UNITED KINGDOM
FEATURES
source Location/Qualifiers
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/translation="VLSGALCFRRKDSALKVLYLHNNQLAGGLHAGKVIKGEETISV
VFNRLDASLSPVILIGVQSCISGVQEPPLTLEPVNIMELYIGAESKSFTEYR
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CDS

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intron 2717..3904
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/number=4
exon 3905..4032
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/number=5
intron 4033..4233
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BASE COUNT 1747 a 1458 c 1709 g 1626 t
ORIGIN

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Query Match 48.5%; Score 227; DB 9; Length 6540;
Best Local Similarity 100.0%; Pred. No. 7.5e-126;
Matches 227; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 242 accgagtgaaacatcatgagagctctatcttggtgccaaggaatccaagagcttcaactct 301
Db 4232 AGCCAGTGAACATCATGAGACCTTATCTTGTCACCAAGATCCAGAGCTTCACCTTCT 4291
QY 302 accgagcggagacatggygctcaccctcagcttcgagtcggtgctcaccgagctgtcc 361
Db 4292 ACCGGCGGAGCATGGGGCTCACCTCCAGCTTCGAGTCGGCTGCTACCCGGGCTGTCC 4351
QY 362 ttgtgacagtgctgctgaagccgacagcgtgctgagactcaaccgagcttccgagaatggtg 421
Db 4352 TGTGCACGGTGCTGGAAGCCGATCAGCTGTGCACTCACCCGAGCTTCCCGAAGATGTG 4411
QY 422 gctggaatgcccccatcacagacttctacttccagcagtgtagtag 468
Db 4412 GCTGAATGCCCCCATCACAGACTTCTACTTCCAGCAGTGTGACTAG 4458

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GenCore version 4.5
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OM nucleic - nucleic search, using sw model

Run on: February 4, 2002, 14:29:05 ; Search time 110.62 Seconds

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Gapop 60.0 , Gapext 60.0

Searched: 930621 seqs, 428662619 residues

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Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Listing first 45 summaries

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14: /SIDS2/gcgdata/geneseq/geneseqn/NA1993.DAT:*
15: /SIDS2/gcgdata/geneseq/geneseqn/NA1994.DAT:*
16: /SIDS2/gcgdata/geneseq/geneseqn/NA1995.DAT:*
17: /SIDS2/gcgdata/geneseq/geneseqn/NA1996.DAT:*
18: /SIDS2/gcgdata/geneseq/geneseqn/NA1997.DAT:*
19: /SIDS2/gcgdata/geneseq/geneseqn/NA1998.DAT:*
20: /SIDS2/gcgdata/geneseq/geneseqn/NA1999.DAT:*
21: /SIDS2/gcgdata/geneseq/geneseqn/NA2000.DAT:*
22: /SIDS2/gcgdata/geneseq/geneseqn/NA2001.DAT:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	468	100.0	468	20	AAx89432
2	468	100.0	468	21	AAx51597
3	468	100.0	766	21	AAx09193
4	468	100.0	1025	22	AAx12295
5	468	100.0	1282	20	AAx30050
6	468	100.0	1282	22	AAx31353
7	468	100.0	1323	21	AAx50812
8	468	100.0	2490	21	AAx50813
9	468	100.0	2562	22	AAx21921
10	468	100.0	2598	22	AAx92133
11	468	100.0	2647	22	AAx31354

12	468	100.0	2648	20	AAx30051
13	243	51.9	357	22	AAx31351
14	243	51.9	358	20	AAx30048
15	243	51.9	985	22	AAx31352
16	233	49.8	985	20	AAx30049
17	227	48.5	5751	22	AAx31355
18	227	48.5	5752	20	AAx30052
19	227	48.5	6540	22	AAx27950
20	227	48.5	7605	20	AAx30053
21	227	48.5	7605	22	AAx31356
22	225	48.1	295	21	AAx51598

ALIGNMENTS

RESULT 1
ID AAX89432 standard; DNA; 468 BP.
XX
AC AAX89432;
XX
DT 28-SEP-1999 (first entry)
XX
DE Human interleukin 1 delta encoding DNA.
XX
KW Interleukin 1 delta; IL-1 delta; glaucoma; ectodermal dysplasia;
KW Insulin-dependent diabetes mellitus; wrinkly skin syndrome;
KW T-cell leukemia; lymphoma; tibial muscular dystrophy; ss.
XX
OS Homo sapiens.
XX
FH Key Location/Qualifiers
FT CDS 1..468
FT /tag= a
FT /product= "IL-1 delta"
XX
PD WO935268-A1.
XX
15-JUL-1999.
XX
08-JAN-1999; 99WO-US00514.
XX
01-JUN-1998; 98US-0087393.
XX
09-JAN-1998; 98US-0071074.
XX
PA (IMV) IMMUNEX CORP.
XX
PI Sims JE;
XX
WPI. 1999-458310/38.
XX
P-PSDB; AAV28408.
XX
DR Murine and Human interleukin 1 delta DNA, polypeptides and its
XX fragments, useful as molecular weight markers
XX
PS Claim 1: Page 68; 72pp; English.
XX
XX
XX The present sequence encodes human interleukin 1 delta (IL-1 delta).
XX IL-1 delta proteins are useful for the determination of the molecular
XX weight of a sample protein. The protein and its fragments are useful as
XX controls for peptide fragmentation. This is useful for determining the
XX isoelectric point of a sample protein. Antibodies generated against
XX IL-1 delta and its fragmented peptides can be used to enhance the
XX accuracy of these molecular weight markers to determine the apparent
XX molecular weight and isoelectric point of a sample protein. IL-1 delta
XX can be used to screen for potential inhibitors of activity associated
XX with IL-1 delta counter-structure molecules. IL-1 delta can also be used
XX as therapeutic agents for the treatment of diseases mediated by IL-1
XX delta. IL-1 delta may be used as a reagent in studying the interleukin 1
XX (IL-1) signalling pathway, or as a reagent to block IL-1 signalling. The
XX IL-1 delta coding sequences can be used to identify human chromosome 2,
XX and to identify genes associated with certain diseases, especially with

CDNA encoding a hu
B2HFLS20W CDNA 11b
CDNA encoding a hu
B2HFLS20W CDNA 11b
CDNA encoding a hu
Genomic clone B2HF
DNA encoding a hu
Interleukin-1L1 ge
DNA encoding a hu
Extension of genom
Human IL-1 recepto

CC region 2q11-12, including glaucoma, ectodermal dysplasia, insulin-dependent diabetes mellitus, wrinkly skin syndrome, T-cell leukemia/lymphoma and tibial muscular dystrophy.

XX Sequence 468 BP; 95 A; 128 C; 142 G; 103 T; 0 other;

Query Match 100.0%; Score 468; DB 20; Length 468;
Best Local Similarity 100.0%; Pred. No. 1.2e-229;
Matches 468; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 atgttcctgagtgaggcgctgtgtcttcocgaatgaagactcggcatgaagtgtcttat 60
DB 1 atgttcctgagtgaggcgctgtgtcttcocgaatgaagactcggcatgaagtgtcttat 60
QY 61 ctgcataataaccagctcttagctggaaggctgcatagcagaagagtcattaaagttaa 120
DB 61 ctgcataataaccagctcttagctggaaggctgcatagcagaagagtcattaaagttaa 120
QY 121 gagatacagctgtgtcccaatcgtgtgtgagtcagcagctgtcccccgtcatcctgggt 180
DB 121 gagatacagctgtgtcccaatcgtgtgtgagtcagcagctgtcccccgtcatcctgggt 180
QY 181 gtccagagtggaagcagctgcctgtcatgtggtggtggtggtggtggtggtggtggtggt 240
DB 181 gtccagagtggaagcagctgcctgtcatgtggtggtggtggtggtggtggtggtggtggt 240
QY 241 gagcagctgaacatcatcatgagctctatctgtgtgcgaagaatccaagacttcaccttc 300
DB 241 gagcagctgaacatcatcatgagctctatctgtgtgcgaagaatccaagacttcaccttc 300
QY 301 taccggcgggacatggtgggtcaccctcagctcagatcgcgtcgtccacccgggtgtgttc 360
DB 301 taccggcgggacatggtgggtcaccctcagctcagatcgcgtcgtccacccgggtgtgttc 360
QY 361 ctgtgcacggtgcttgaagcgcatacagctcttacttccagcagtggtactag 420
DB 361 ctgtgcacggtgcttgaagcgcatacagctcttacttccagcagtggtactag 420
QY 421 ggtctgaatgcccccatcacagacttctacttccagcagtggtactag 468
DB 421 ggtctgaatgcccccatcacagacttctacttccagcagtggtactag 468

RESULT 2

AAA51597 standard; DNA; 468 BP.

AC AAA51597;

DT 31-OCT-2000 (first entry)

DE Human IL-1 receptor antagonist 3 DNA.

XX hIL-1ra3; human interleukin-1 receptor antagonist-3; IL-1ip; osteopathic;
XX interleukin-1-like polypeptide; anti-inflammatory; anti-asthmatic;
XX anti-arthritis; antimicrobial; respiratory; anti-ischemic; vaccine;
XX dermatological; immunomodulatory; gastrointestinal; gene therapy; ds.

OS Homo sapiens.

PH Key Location/Qualifiers

FT CDS 1..468 /*tag= a

FT /product= hIL-1ra3

PN WO200039297-A2.

PD 06-JUL-2000.

PF 22-DEC-1999; 99WO-US30720.

PR 23-DEC-1998; 98US-0113430.

PR 22-JAN-1999; 99US-0116843.
PR 13-APR-1999; 99US-0129122.

XX (GETH) GENENTECH INC.

PI Goddard A, Pan J;

DR WPI: 2000-452395/39.

DR P-PSDB; AAY66936.

PT Nucleic acids encoding interleukin-1-like polypeptides, useful for
PT preventing and treating e.g. inflammation, asthma and psoriasis

PS Claim 7; Fig 7, 143pp; English.

CC An isolated nucleic acid molecule encoding an interleukin-1-like
CC polypeptide (IL-1ip) that retains one or more activities of the peptide
CC from which it is derived, such as the IL-18R binding activity of a human
CC interleukin-1 receptor antagonist-1 (hIL-1ra1) polypeptide, is new. The
CC nucleic acids may be used in molecular engineering applications, e.g.
CC hybridization assays and chromosome and gene mapping studies, for
CC recombinantly producing the IL-1ip polypeptide or for producing gene
CC knock out animals to study the role of the protein in metabolism and
CC disease processes (conversely, gene therapy protocols may be used to
CC supplement a patient's production of the polypeptide or to rectify
CC mutations that lead to the production of an active peptides). The
CC peptides produced may be used to screen for and produce modulators (e.g.
CC antibodies) of IL-1ip protein expression and activity which may be use
CC to treat disorders associated with inappropriate IL-1ip expression and
CC activity, such as inflammatory disorders, asthma, arthritis,
CC osteoarthritis, sepsis, acute lung injury, adult respiratory distress
CC syndrome, idiopathic pulmonary fibrosis, ischemic reperfusion disease,
CC psoriasis, graft versus host disease and/or inflammatory bowel disease.

XX Sequence 468 BP; 95 A; 128 C; 142 G; 103 T; 0 other;

Query Match 100.0%; Score 468; DB 21; Length 468;
Best Local Similarity 100.0%; Pred. No. 1.2e-229;
Matches 468; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 atgttcctgagtgaggcgctgtgtcttcocgaatgaagactcggcatgaagtgtcttat 60
DB 1 atgttcctgagtgaggcgctgtgtcttcocgaatgaagactcggcatgaagtgtcttat 60
QY 61 ctgcataataaccagctcttagctggaaggctgcatagcagaagagtcattaaagttaa 120
DB 61 ctgcataataaccagctcttagctggaaggctgcatagcagaagagtcattaaagttaa 120
QY 121 gagatacagctgtgtcccaatcgtgtgtgagtcagcagctgtcccccgtcatcctgggt 180
DB 121 gagatacagctgtgtcccaatcgtgtgtgagtcagcagctgtcccccgtcatcctgggt 180
QY 181 gtccagagtggaagcagctgcctgtcatgtggtggtggtggtggtggtggtggtggtggt 240
DB 181 gtccagagtggaagcagctgcctgtcatgtggtggtggtggtggtggtggtggtggtggt 240
QY 241 gagcagctgaacatcatcatgagctctatctgtgtgcgaagaatccaagacttcaccttc 300
DB 241 gagcagctgaacatcatcatgagctctatctgtgtgcgaagaatccaagacttcaccttc 300
QY 301 taccggcgggacatggtgggtcaccctcagctcagatcgcgtcgtccacccgggtgtgttc 360
DB 301 taccggcgggacatggtgggtcaccctcagctcagatcgcgtcgtccacccgggtgtgttc 360
QY 361 ctgtgcacggtgcttgaagcgcatacagctcttacttccagcagtggtactag 420
DB 361 ctgtgcacggtgcttgaagcgcatacagctcttacttccagcagtggtactag 420
QY 421 ggtctgaatgcccccatcacagacttctacttccagcagtggtactag 468
DB 421 ggtctgaatgcccccatcacagacttctacttccagcagtggtactag 468

Result	3	
AAAO09193	standard; DNA; 766 BP.	
AAAO09193		
AAAO09193		
10-AUG-2000	(first entry)	
Human IL-1 homologue, h2il1a3 coding sequence.		
Genetic: interleukin-1; IL-1; homologue; zllia3; anti-inflammatory;		
antagonist; pro-inflammatory; agonist; immunomodulator; antiarthritic;		
antirheumatic; osteopathic; antipsoriatic; antibacterial; cytostatic;		
immunosuppressive; antitumor; antidiabetic; nephrotropic; vasotropic;		
vulnerary; Zq14; ss.		
Homo sapiens.		
Key	Location/Qualifiers	
CDS	72..539	
FT	/*tag= a	
MO200020595-A1.		
13-APR-2000.		
08-OCT-1999;	99WO-US23533.	
08-OCT-1998;	98US-0169745.	
(ZYMO) ZYMOGENETICS INC.		
Sheppard PO, West RR, Clegg CH;		
WPI; 2000-303780/26.		
P-PSDB; AAY92257.		
Proteins useful for treatment of inflammatory conditions such as		
rheumatoid arthritis and psoriasis are agonists or antagonists forms of		
new interleukin-1 homologue		
Disclosure: Page 51-52; 64pp; English.		
This DNA encodes an interleukin-1 (IL-1) homologue, designated zllia3.		
The zllia3 gene maps to chromosome 2q14 and showed linkage to framework		
marker AFMA037xfl with a LOD score of 13.		
It is believed that zllia3 acts through IL-1 receptors. In general,		
zllia3 proteins having a lys residue at position 148 will have		
anti-inflammatory activity (e.g. AAY92256), whilst those having Asp		
(see AAY92254) or Glu at this position will have pro-inflammatory		
action. Zllia3 is used to modulate an immune response in an animal		
(claimed). Antagonists zllia3 forms may be used to treat or prevent		
chronic inflammatory diseases such as rheumatoid arthritis,		
osteoarthritis and Lyme arthritis, psoriasis, to reduce tissue damage		
after ischemia, to treat septic shock, graft-versus-host disease and		
leukemia. The antagonists may also alleviate inflammatory bowel disease		
including Crohn's disease and ulcerative colitis, insulin-dependent		
diabetes mellitus, acute pancreatitis, glomerulonephritis and cerebral		
ischemia. Agonist forms of zllia3 may promote wound healing by IL-1		
effects on growth factor secretion and cell proliferation. They may also		
treat infections, especially gastrointestinal infections.		
Sequence 766 BP; 154 A; 214 C; 230 G; 168 T; 0 other;		

QY	61	ctgcaataataacagccttctaagctgagaggctgcatagcaaggatcaatataaagggtgaa	120
Db	132	ctgcaataataacagccttctaagctgagaggctgcatagcaaggatcaatataaagggtgaa	191
QY	121	gagatcaacgctggtccccaatctggtgctgagatgcagacgtgtcccccgtaactctggt	180
Db	132	gagatcaacgctggtccccaatctggtgctgagatgcagacgtgtcccccgtaactctggt	251
QY	181	gtccagggctggaagccagctcagctcaatgtgtgggtgtgggagagagccagacttaaacata	240
Db	252	gtccagggctggaagccagctcagctcaatgtgtgggtgtgggagagagccagacttaaacata	311
QY	241	gagcagatgaaacatcatgtgagctcatctgtgtgcacaagaaatccaaagagcttcaacttc	300
Db	312	gagcagatgaaacatcatgtgagctcatctgtgtgcacaagaaatccaaagagcttcaacttc	371
QY	301	taccggcgaggacatgagggtctcaactccagcttgaattcgctgaccttaaccggcggtgttc	360
Db	372	taccggcgaggacatgagggtctcaactccagcttgaattcgctgaccttaaccggcggtgttc	431
QY	361	ctgtgcacaaggcgaccttgagacgcgaatcagacccctgtctagaactaccagagcttcccgagaatggt	420
Db	432	ctgtgcacaaggcgaccttgagacgcgaatcagacccctgtctagaactaccagagcttcccgagaatggt	491
QY	421	ggtctggaatgtccccaatcaacagacttctacttccagcagtggtgactag	468
Db	492	ggtctggaatgtccccaatcaacagacttctacttccagcagtggtgactag	539

Query Match	100.0%	Score 468:	DB 21:	Length 766:
Best Local Similarity	100.0%	Pred. NO. 1.2e-229:		
Matches 468:	Conservative 0:	Mismatches 0:	Indels 0:	Gaps 0:
Oy	1	atgctcctgaatgagggcgtctgcttcgcaalgaagactcgcatctgaagtgctttat	60	
		atgctcctgaatgagggcgtctgcttcgcaalgaagactcgcatctgaagtgctttat	120	
db	72	atgctcctgaatgagggcgtctgcttcgcaalgaagactcgcatctgaagtgctttat	131	

RESULT	4	
ADAD12295		
ID	ADAD12295	standard; DNA; 1025 BP.
XX		
AC	ADAD12295;	
XX		
DT	16-OCT-2001	(first entry)
XX		
DE	Human interleukin-1delta (IL-1delta) protein DNA.	
XX		
KW	Human; interleukin-1delta; IL-1delta; virucide; hepatotropic; fever;	
KW	immunological disorder; tumour; inflammatory disorder; hypoglycaemia;	
KW	autoimmune disease; pulmonary tuberculosis; fulminant hepatitis; leprosy;	
KW	psoriasis; viral infection; allergy; cytokine; HIV; drug screening; ds.	
XX		
OS	Homo sapiens.	
XX		
FH	Key	Location/Qualifiers
FT	CDS	58..525
FT		/*tag= a
FT		/product= "Human interleukin-1delta (IL-1delta) protein"
XX		
PN	WO200157219-A2.	
XX		
PD	09-AUG-2001.	
XX		
PF	01-FEB-2001; 2001WO-US03285.	
XX		
PR	02-FEB-2000; 2000US-0179638.	
PA	(SCHE) SCHERING CORP.	
XX		
PI	Debets JEMA, Timans JC, Bazan JF, Kastelein RA;	
XX		
DR	WPI: 2001-488886/53.	
XX		
PT	P-PSDB: AAE06655.	
PT	Novel isolated or recombinant antigenic interleukin-1 delta or epsilon	
PT	polypeptide useful for treating conditions exhibiting abnormal	
PT	expression of interleukin such as immunological disorders, tumor and	
PT	allergy	
XX		
PS	Claim 18; Page 84-85; 103pp; English.	

CC The invention relates to recombinant antigenic interleukin-1 like
 CC molecules and their corresponding nucleic acid sequences, designated
 CC as interleukin-1delta (IL-1delta) and interleukin-1epsilon (IL-1epsilon).
 CC IL-1delta and IL-1epsilon are useful for treating conditions exhibiting
 CC abnormal expression of the interleukin such as immunological disorders,
 CC tumours, inflammatory disorders, fever, hypoglycaemia, psoriasis,
 CC allergy, autoimmune diseases and infectious diseases (e.g., pulmonary
 CC tuberculosis, leprosy, fulminant hepatitis, and viral infections such as
 CC HIV). The invention also relates to methods of using the composition
 CC containing IL-1delta or IL-1epsilon for both diagnostic and therapeutic
 CC utilities. IL-1delta is used as an immunogen for the production of
 CC antisera or antibodies specific, e.g., capable of distinguishing between
 CC IL-1 family members and an IL-1delta, for the interleukin or its
 CC fragment. The purified interleukin is used as a reagent to detect any
 CC antibodies generated in response to the presence of elevated levels of
 CC expression, or immunological disorders which lead to antibody production
 CC to the endogenous cytokine. The invention also contemplates the use of
 CC competitive drug screening assays. The present DNA sequence encodes human
 CC interleukin-1delta (IL-1delta) protein.

CC Sequence 1025 BP; 218 A; 280 C; 299 G; 228 T; 0 other;

Query Match 100.0%; Score 468; DB 22; Length 1025;
 Best Local Similarity 100.0%; Pred. No. 1.2e-229;
 Matches 468; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 atggtcctgagtgaggcgctgctgctccgaatgaagagctggcattgaaggctgttat 60
 DB 58 atggtcctgagtgaggcgctgctgctccgaatgaagagctggcattgaaggctgttat 117
 OY 61 ctgcataataaccagcttctgaagtgagtgatgcagtgaggaaggaagtcattaaagtga 120
 DB 118 ctgcataataaccagcttctgaagtgagtgatgcagtgaggaaggaagtcattaaagtga 177
 OY 121 gagatcagtgctgtcccatcagtgagtgagtgatgcagtgcttcccgctcatcctgggt 180
 DB 178 gagatcagtgctgtcccatcagtgagtgagtgatgcagtgcttcccgctcatcctgggt 237
 OY 181 gtccaggtggaagccagtgctgctgctatgtggtggtggtggtggtggtggtggtggt 240
 DB 238 gtccaggtggaagccagtgctgctgctatgtggtggtggtggtggtggtggtggtggt 297
 OY 241 gagcagtgaaatcatgagctctatctgtgtgccaagaatccaagaagcttcaacctc 300
 DB 298 gagcagtgaaatcatgagctctatctgtgtgccaagaatccaagaagcttcaacctc 357
 OY 301 tacccgaggaatcatgagctctacccagctcgaagtcgagctgctaccgggctgtgtc 360
 DB 358 tacccgaggaatcatgagctctacccagctcgaagtcgagctgctaccgggctgtgtc 417
 OY 361 ctgtgcaagtgctcgaagcgatcagctgtcgaagtcacccagcttcccgagaagtgt 420
 DB 418 ctgtgcaagtgctcgaagcgatcagctgtcgaagtcacccagcttcccgagaagtgt 477
 OY 421 ggcctggaagcgcccatcacaacttctactccagcaatgagcag 468
 DB 478 ggcctggaagcgcccatcacaacttctactccagcaatgagcag 525

RESULT 5

AAZ30050
 ID AAZ30050 standard; cDNA; 1282 BP.

AAZ30050;

26-JAN-2000 (first entry)

CDNA encoding a human interleukin-1 receptor antagonist.

Human; interleukin-1 receptor; IL-1; antagonist; sepsis;
 acute pancreatitis; endotoxic shock; cytokine induced shock;

KW rheumatoid arthritis; chronic inflammatory arthritis;
 KW pancreatic cell damage; diabetes mellitus type 1;
 KW graft versus host disease; inflammatory bowel disease;
 KW inflammation; pulmonary disease; autoimmune disease;
 KW inflammatory disease; antiproliferative; myelogenous leukemia;
 KW premature labor; intrauterine infection; nutritional activity;
 KW hematopoiesis regulating activity; tissue growth activity;
 KW activin activity; inhibin activity; chemotactic activity;
 KW chemokinetic activity; hemostatic activity; thrombolytic activity;
 KW anti-inflammatory activity; ss.

OS Homo sapiens.

PN MO9951744-A2.

PD 14-OCT-1999.

PF 05-APR-1999; 99WO-US04291.

PR 03-APR-1998; 98US-0055010.

PR 15-MAY-1998; 98US-0079909.

PR 20-MAY-1998; 98US-0082364.

PR 19-JUN-1998; 98US-0099818.

PR 31-JUL-1998; 98US-0127698.

PR 13-JAN-1999; 99US-0229591.

PR 17-FEB-1999; 99US-0251370.

PA (HYSE-) HYSEQ INC.

PI Drmanac R, Crkvenjakov R, Dickson M, Drmanac S, Labat I;

PI Leshkowitz D, Kila D, Ford J, Pace A, Alfemito M;

PI WPI: 1999-611042/52.

PI P-PSDB: AA143526.

PT New isolated interleukin-1 receptor binding polypeptides, used to treat

PT e.g. sepsis, shock, arthritis, pancreatitis, graft-versus-host disease,

PT inflammatory disease, autoimmune disease or proliferative disease -

PS Claim 1: Fig 5; 123pp; English.

CC The present sequence encodes a human interleukin-1 (IL-1) receptor

CC antagonist. The encoded polypeptide is capable of binding IL-1

CC receptors (IL-1Rs). The polynucleotides and polypeptides can be used for

CC the prevention or treatment of disorders involving sepsis, acute

CC pancreatitis, endotoxic shock, cytokine induced shock, rheumatoid

CC arthritis, chronic inflammatory arthritis, pancreatic cell damage from

CC diabetes mellitus type 1, graft versus host disease, inflammatory bowel

CC disease, inflammation associated with pulmonary disease, other autoimmune

CC disease or inflammatory disease, an antiproliferative agent such as for

CC acute or chronic myelogenous leukemia or in the prevention of premature

CC labor secondary to intrauterine infections. They can also exhibit

CC activities such as e.g. nutritional activity, cytokine and cell

CC proliferation/differentiation activity, immune stimulating or

CC suppressing activity, hematopoiesis regulating activity, tissue growth

CC activity, activin/inhibin activity, chemotactic/chemokinetic activity,

CC hemostatic and thrombolytic activity, receptor/ligand activity, and

CC anti-inflammatory activity. The products can also be used for

CC detection, diagnosis and drug screening.

CC Sequence 1282 BP; 293 A; 337 C; 350 G; 301 T; 1 other;

Query Match 100.0%; Score 468; DB 20; Length 1282;

Best Local Similarity 100.0%; Pred. No. 1.2e-229;
 Matches 468; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 atggtcctgagtgaggcgctgctgctccgaatgaagagctggcattgaaggctgttat 60
 DB 73 atggtcctgagtgaggcgctgctgctccgaatgaagagctggcattgaaggctgttat 132
 OY 61 ctgcataataaccagcttctgaagtgagtgatgcagtgaggaaggaagtcattaaagtga 120

Db 133 ctgataataaccagcttctagctgagaggctgcatgcaaggaaagtcataaagttaa 192
Qy 121 gagatcaacgctggtcccaatcggtgctggaatgccaacgtgtcccccgtacatcttggt 180
Db 133 gagatcaacgctggtcccaatcggtgctggaatgccaacgtgtcccccgtacatcttggt 252
Qy 181 gtccagggtggaagccagctgctgcatggtggtggtggtggtggtggtggtggtggtggt 240
Db 253 gtccagggtggaagccagctgctgcatggtggtggtggtggtggtggtggtggtggtggt 312
Qy 241 gagcagtggaacatcatggaagctctatcttctggtggtggtggtggtggtggtggtggt 300
Db 313 gagcagtggaacatcatggaagctctatcttctggtggtggtggtggtggtggtggtggt 372
Qy 301 tacccggggagacatggtggtggtggtggtggtggtggtggtggtggtggtggtggtggt 360
Db 373 tacccggggagacatggtggtggtggtggtggtggtggtggtggtggtggtggtggtggt 432
Qy 361 ctgtgcaacgctgctggaagccagctgcatggtggtggtggtggtggtggtggtggtggt 420
Db 433 ctgtgcaacgctgctggaagccagctgcatggtggtggtggtggtggtggtggtggtggt 492
Qy 421 ggtctggaatgcccccatcacagacttctacttccagagtgtagtag 468
Db 493 ggtctggaatgcccccatcacagacttctacttccagagtgtagtag 540

RESULT 6

AAAF31353
ID AAAF31353 standard; cDNA: 1282 BP.

AAAF31353;

05-APR-2001 (first entry)

Extension of B2HFLS20W cDNA library sequence #2.

Interleukin; IL-1 receptor; cancer; inflammation; ss.

Homo sapiens.

WO200102571-A2.

11-JAN-2001.

07-JUL-2000; 2000WO-US18710.

07-JUL-1999; 99US-0348942.

13-OCT-1999; 99US-0417455.

08-DEC-1999; 99US-0457626.

10-MAR-2000; 2000US-0523552.

22-MAY-2000; 2000US-0576008.

(HYSEQ-) HYSEQ INC.

Ford J, Pace A;

WPI; 2001-071582/08.

Isolated nucleic acids encoding interleukin-1 (IL-1) receptor

antagonist proteins (referred as IL-1HY1), useful in the treatment of

inflammatory disease mediated by IL-18 -

Claim 1; Fig 5; 17pp; English.

The present invention relates to interleukin (IL)-1 receptor

antagonist proteins. IL-1HY1 is useful for treating cancer,

an inflammatory disease mediated by IL-18, inflammation

resulting from infection or allergic reactions, and inflammation

associated with chronic bronchitis, arthritis, diabetes or

endothermia.

Sequence 1282 BP; 294 A; 337 C; 350 G; 301 T; 0 other;

Query Match

Best Local Similarity 100.0%; Score 468; DB 22; Length 1282;

Matches 468; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 atgtccctgaatggtgggctgtgcttccgaatgaagagctcgcatgaagtgcttat 60
Db 73 atgtccctgaatggtgggctgtgcttccgaatgaagagctcgcatgaagtgcttat 132
Qy 61 ctgataataaccagcttctagctgagaggctgcatgcaaggaaagtcataaagttaa 120
Db 133 ctgataataaccagcttctagctgagaggctgcatgcaaggaaagtcataaagttaa 192
Qy 121 gagatcaacgctggtcccaatcggtgctggaatgccaacgtgtcccccgtacatcttggt 180
Db 193 gagatcaacgctggtcccaatcggtgctggaatgccaacgtgtcccccgtacatcttggt 252
Qy 181 gtccagggtggaagccagctgctgcatggtggtggtggtggtggtggtggtggtggt 240
Db 253 gtccagggtggaagccagctgctgcatggtggtggtggtggtggtggtggtggtggt 312
Qy 241 gagcagtggaacatcatggaagctctatcttctggtggtggtggtggtggtggtggtggt 300
Db 313 gagcagtggaacatcatggaagctctatcttctggtggtggtggtggtggtggtggtggt 372
Qy 301 tacccggggagacatggtggtggtggtggtggtggtggtggtggtggtggtggtggtggt 360
Db 373 tacccggggagacatggtggtggtggtggtggtggtggtggtggtggtggtggtggtggt 432
Qy 361 ctgtgcaacgctgctggaagccagctgcatggtggtggtggtggtggtggtggtggtggt 420
Db 433 ctgtgcaacgctgctggaagccagctgcatggtggtggtggtggtggtggtggtggtggt 492
Qy 421 ggtctggaatgcccccatcacagacttctacttccagagtgtagtag 468
Db 493 ggtctggaatgcccccatcacagacttctacttccagagtgtagtag 540

RESULT 7

AAZ50812
ID AAZ50812 standard; cDNA: 1323 BP.

AAZ50812;

31-MAY-2000 (first entry)

Human TANGO-93 cDNA.

TANGO-93; cytokine; human; secreted protein; IL-1 expression; cancer;

Interleukin-1 receptor antagonist; IL-1ra; inflammation; antiasthmatic;

immunosuppressive; antirheumatic; antiarthritic; antipsoriatic; forensic;

antimflammatory; antibacterial; antitumor; cytostatic; immunomodulator;

osteopathic; dermatological; antidiabetic; psoriasis; ulcerative colitis;

graft vs.-host disease; rheumatoid arthritis; inflammatory bowel disease;

septic shock; cachexia; Crohn's disease; chronic myelogenous leukemia;

liver disease; diabetes; osteoarthritis; Hodgkin's disease; Lyme disease;

autoimmune disease; myasthenia gravis; pharmacogenomic; chromosome 2;

diagnosis; asthma; systemic lupus erythematosus; transgenic animal; ss.

Homo sapiens.

WO200008045-A2.

```

XX 17-FEB-2000.
PD
XX 06-AUG-1999; 99WO-US17886.
PF
XX 07-AUG-1998; 98US-0131263.
PR
XX (MILL-) MILLENNIUM BIOTHERAPEUTICS INC.
PA
XX Pan Y;
PI
XX WPI: 2000-205669/18.
DR P-PSDB: AAY45062.
XX
XX Isolated nucleic acid sequences encoding TANGO-93 polypeptide useful
PT for treating a variety of cellular processes e.g. asthma, rheumatoid
PT arthritis, psoriasis and autoimmune diseases
XX
XX Claim 2a; Fig 2; 113pp; English.
XX
XX The present sequence is the cDNA encoding the human TANGO-93, a
CC secreted protein that belongs to the cytokine superfamily. It plays a
CC role similar to the secreted Interleukin-1 receptor antagonist (IL-1ra)
CC and its expression is developmentally regulated in the uterus, placenta
CC and skeletal muscles. Human TANGO-93 gene is mapped to chromosome 2,
CC within the IL-1 cluster. TANGO-93 modulates immune mediated inflammation
CC and IL-1 gene or protein expression. TANGO-93 is useful as a modulating
CC agent for regulating cellular processes like asthma, graft vs-host
CC disease, rheumatoid arthritis, psoriasis, inflammatory bowel disease,
CC septic shock, ulcerative colitis, Crohn's disease, chronic myelogenous
CC leukaemia, cancer, liver disease, Hodgkin's disease, osteoarthritis,
CC Lyme disease, cachexia, and autoimmune diseases e.g. myasthenia gravis,
CC autoimmune diabetes and systemic lupus erythematosus. Partial TANGO-93
CC sequences are useful in forensic biology, for diagnostic and prognostic
CC assays, prophylactic and therapeutic treatment and pharmacogenomics. The
CC DNA sequence is useful as hybridisation probe and primers, for isolation
CC of TANGO-93 sequence and for the creation of transgenic animals.
XX
XX Sequence 1323 BP; 315 A; 338 C; 353 G; 317 T; 0 other:
SQ

```

```

Query Match      100.0%; Score 468; DB 21; Length 1323;
Best Local Similarity 100.0%; Pred. No. 1,1e-229;
Matches 468; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 atggctcctagatggggcgctgtgcttcggaatgaagagctcgcatgagtgctttat 60
   |||||||
DB 57 atggctcctagatggggcgctgtgcttcggaatgaagagctcgcatgagtgctttat 116

QY 61 ctgcataataacaagcttctagctgagggctcagcagggagaggtcattaaagtgaa 120
   |||||||
DB 117 ctgcataataacaagcttctagctgagggctcagcagggagaggtcattaaagtgaa 176

QY 121 gagatcagcgtgtgtccccaatcggtgctgagatgcagcctgtcccccgtcatcctgggt 180
   |||||||
DB 177 gagatcagcgtgtgtccccaatcggtgctgagatgcagcctgtcccccgtcatcctgggt 236

QY 181 gtccaggggtggaagccagcgtctcatgttggtggtggaagagccagctctaaacacta 240
   |||||||
DB 237 gtccaggggtggaagccagcgtctcatgttggtggtggaagagccagctctaaacacta 296

QY 241 gggcagatgaatcatcatgagctctactctgtggtgccaagaatccaagaagctcaccttc 300
   |||||||
DB 297 gggcagatgaatcatcatgagctctactctgtggtgccaagaatccaagaagctcaccttc 356

QY 301 tacccggcggaacatggggctcaccctcagcttcagatcgctgtgctctaccgggctgttc 360
   |||||||
DB 357 tacccggcggaacatggggctcaccctcagcttcagatcgctgtgctctaccgggctgttc 416

QY 361 ctgtgcaagcgtcctggaagcgcatacagcctgtcagaactacccagctcccgagaatggt 420
   |||||||
DB 417 ctgtgcaagcgtcctggaagcgcatacagcctgtcagaactacccagctcccgagaatggt 476

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QY 421 ggcctgaatgcccccatcacagactctactccagcagtgtagctag 468
   |||||||
DB 477 ggcctgaatgcccccatcacagactctactccagcagtgtagctag 524

RESULT 8
AA250813
ID AA250813 standard; cDNA; 2490 BP.
XX
XX AA250813;
XX
XX 31-MAY-2000 (first entry)
XX
XX Human TANGO-93 cDNA with additional 3'UTR sequence.
DE
XX
XX TANGO-93; cytokine; human; secreted protein; IL-1 expression; cancer;
KW Interleukin-1 receptor antagonist; IL-1ra; inflammation; antilastmatic;
KW immunosuppressive; antibacterial; antitumor; antiparasitic; asthma;
KW antinflammatory; antidiabetic; antidiabetic; psoriasis; ulcerative colitis;
KW osteopathic; dermatological; antidiabetic; psoriasis; ulcerative colitis;
KW graft vs-host disease; rheumatoid arthritis; inflammatory bowel disease;
KW septic shock; cachexia; Crohn's disease; chronic myelogenous leukaemia;
KW liver disease; diabetes; osteoarthritis; Hodgkin's disease; Lyme disease;
KW autoimmune disease; myasthenia gravis; pharmacogenomic; diagnosis;
KW systemic lupus erythematosus; forensic; transgenic animal; ss.
XX
XX Homo sapiens.
XX
XX Key Location/Qualifiers
FH CDS 63..530
FT
FT /*tag= a
FT /*product= "Human TANGO-93 protein"
FT /*note= "Has 53' homology to human Interleukin-1 receptor
FT antagonist (IL-1ra)"
FT 3'UTR 531..2490
FT /*tag= b
FT /*note= "Additional sequences"
XX
XX MO200008045-A2.
XX
XX 17-FEB-2000.
XX
XX 06-AUG-1999; 99WO-US17886.
XX
XX 07-AUG-1998; 98US-0131263.
XX
XX (MILL-) MILLENNIUM BIOTHERAPEUTICS INC.
PA
XX Pan Y;
PI
XX
XX WPI: 2000-205669/18.
XX
XX Isolated nucleic acid sequences encoding TANGO-93 polypeptide useful
PT for treating a variety of cellular processes e.g. asthma, rheumatoid
PT arthritis, psoriasis and autoimmune diseases
XX
XX Example 2; Fig 5; 113pp; English.
XX
XX The present sequence is the cDNA encoding the human TANGO-93, with
CC additional 3'UTR sequence. It is a secreted protein that belongs to the
CC cytokine superfamily. It plays a role similar to secreted interleukin-1
CC receptor antagonist (IL-1ra). TANGO-93 modulates immune mediated
CC inflammation and IL-1 gene or protein expression. TANGO-93 is useful as
CC a modulating agent for regulating cellular processes like asthma, graft
CC vs-host disease, rheumatoid arthritis, psoriasis, inflammatory bowel
CC disease, septic shock, ulcerative colitis, Crohn's disease, chronic
CC myelogenous leukaemia, cancer, liver disease, Hodgkin's disease,
CC osteoarthritis, Lyme disease, cachexia, and autoimmune diseases e.g.
CC myasthenia gravis, autoimmune diabetes and systemic lupus erythematosus.
CC Partial TANGO-93 sequences are useful in forensic biology, for diagnostic
CC and prognostic assays, prophylactic and therapeutic treatment and
CC pharmacogenomics. The DNA sequences are useful as hybridisation probes
CC and primers, for isolation of TANGO-93 sequence and for the creation of

```

CC transgenic animals.

SQ Sequence 2490 BP; 650 A; 571 C; 619 G; 650 T; 0 other;

Query Match	100.0%;	Score 468;	DB 21;	Length 2490;
Best Local Similarity	100.0%;	Pred. No. 1.1e-229;		
Matches 468;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;

OY	1	atgtgtccggaatgtgggagcgcgtgtgcttcggaatggaaggaaccgagattgaaggtgtcttat	60
Db	63	atgtgtcccggaatgtgggagcgcgtgtgcttcggaatggaaggaaccgagattgaaggtgtcttat	122
OY	61	ctgtgcaataaacccagctctctcagctcgagagggctgcatatgcagtggaaggtcatataaagtgtaa	120
Db	123	ctgtgcaataaacccagctctctcagctcgagagggctgcatatgcagtggaaggtcatataaagtgtaa	182
OY	121	gagatctagcgtgtgtccccaatcgtgtggtctgtgatgtgcagctgttccccgtcatctgtgtgt	180
Db	183	gagatctagcgtgtgtccccaatcgtgtggtctgtgatgtgcagctgttccccgtcatctgtgtgt	242
OY	181	gtccagaggtggaagccagatgtgccttctcatgttgagggtggagagagccagatctcaacata	240
Db	243	gtccagaggtggaagccagatgtgccttctcatgttgagggtggagagagccagatctcaacata	302
OY	241	gagccagatgaaacatcatgtgagctcatctctgtgtgcagaaagatccaaagacttcaacctc	300
Db	303	gagccagatgaaacatcatgtgagctcatctctgtgtgcagaaagatccaaagacttcaacctc	362
OY	301	taccggcgagacatgagggtctaaccttcagcttcgagctcgagctgtgcctacccgggctgtgtc	360
Db	363	taccggcgagacatgagggtctaaccttcagcttcgagctcgagctgtgcctacccgggctgtgtc	422
OY	361	ctgtgtcaagagtgaccttgaaagccgaatcagctctgtcagactaccagacttcccggaatgtgt	420
Db	423	ctgtgtcaagagtgaccttgaaagccgaatcagctctgtcagactaccagacttcccggaatgtgt	482
OY	421	ggtctgtgaatgtccccaatcacaagacttctaactccaagagtgtgactag	468
Db	483	ggtctgtgaatgtccccaatcacaagacttctaactccaagagtgtgactag	530

RESULT	9
AAAF27921	
ID	AAAF27921 standard; cDNA, 2562 bp
XX	
AC	AAAF27921.
DT	08-MAY-2001 (first entry)
DE	Human IL-1IL coding sequence.

KM Human, IL-1L; interleukin-1 locus, IL-beta; IL-1receptor; psoriasis
KM Chromosome 2q13; inflammatory disease; heart disease; Graves' disease
KM rheumatoid arthritis; inflammatory bowel disorder; diabetes; cancer;
KM osteoporosis; systemic lupus erythematosus; ss.

OS Homo sapiens.

EH	Key	Location/Qualifiers
FT	CDS	30.497
FT		/*tag= a
FT		/product= "II-IL1"
FT		/note= "this region is specifically claimed"

PN	WO200105974-A2.
XX	
PD	25-JAN-2001.
XX	
PF	17-JUL-2000; 2000WO-US1.9508
XX	
PR	16-JUL-1999; 99US-0144298
XX	

PA (INTE-) INTERLEUKIN GENETICS INC.

PI Nicklin M, Barton J;

DR WPI; 2001-091974/10.

PT Nucleic acids encoding human and murine interleukin-11 polypeptides
 PT useful for controlling inflammatory processes -
 XX
 PS Claim 12, Fig 1; 150pp; English.

The present invention provides the protein and coding sequences of the human and murine interleukin-11 (IL-11) proteins. The IL-11 gene is located between the IL-1beta and IL-1receptor genes at human chromosome 2q13. The sequences are useful in the diagnosis, prevention and treatment of heart disease, cancer and inflammatory diseases such as rheumatoid arthritis, systemic lupus erythematosus, inflammatory bowel disorder, diabetes, psoriasis, osteoporosis, lichen sclerosus, ulcerative colitis, severe periodontal disease and pregnancy complications. The present sequence is the human IL-11 coding sequence.

50 Sequence 2562 BP; 678 A; 579 C; 635 G; 670 T; 0 other;

Query Match	100.0%;	Score 468;	DB 22;	Length 2562;
Best Local Similarity	100.0%;	Pred. No. 1.1e-229;		
Matches 468;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;

QY	1	atggtccggaatctgaggcgctcttgcttcgcgaaataaaggacatccgattgaagtgcttat	60
Db	30	atgggtcccggaatctgaggcgctcttgcttcgcgaaatgaaggacatccgattgaagtgcttat	89
QY	61	ctgcataataacccagcttctctagctcgaggggctctgatactgcaggaaggtcatctaaaggtaa	120
Db	90	ctgcataataacccagcttctctagctcgaggggctctgatactgcaggaaggtcatctaaaggtaa	149
QY	121	gaagatcagcgtgtgtccccaatcgtgtgctctgatactgcagcctgtcccccgtcatccttggt	180
Db	150	gaagatcagcgtgtgtccccaatcgtgtgctctgatactgcagcctgtcccccgtcatccttggt	209
QY	181	gtccagaggcttggaagccagctgctctcaatgttgagggttgaggcaggagccgactctaaacct	240
Db	210	gtccagaggcttggaagccagctgctctcaatgttgagggttgaggcaggagccgactctaaacct	269
QY	241	gagccagctgaacatcatctgaagctctatctctgtgtgcacaaagaaatccaaagacttcaacct	300
Db	270	gagccagctgaacatcatctgaagctctatctctgtgtgcacaaagaaatccaaagacttcaacct	329
QY	301	taccggcgggagcatctgggggtctacctccaagctctgaagtcgcgctctgctatcccggtctgttc	360
Db	330	taccggcgggagcatctgggggtctacctccaagctctgaagtcgcgctctgctatcccggtctgttc	389
QY	361	ctgtgcacagggtgcctcgaaagccgatacagctctgtcaagatcccccagctctcccggaatggt	420
Db	390	ctgtgcacagggtgcctcgaaagccgatacagctctgtcaagatcccccagctctcccggaatggt	449
QY	421	ggctgtggaatgcccccacatcaagacttctactctccagcaggtgtgactag	468
Db	450	ggctgtggaatgcccccacatcaagacttctactctccagcagcgtgtgactag	497

RESULT	10
AAFG2133	
ID	AAFG2133 standard; cDNA; 2598 BP.

AC	AAF92133;
XX	
DT	15-MAY-2001 (first entry)

KW Human; PRO protein; mapping; ss.

XX


```
Oy 121 gagatcagcgtgtgtccccaatcgtgtgctgagatgccagccttcccccgtacatcttggt 180
    |||
Db 182 gagatcagcgtgtgtccccaatcgtgtgctgagatgccagccttcccccgtacatcttggt 241
Oy 181 gtccagcgtgtggaagcagctgtcgtcatgtgtggtggtggtggtggtggtggtggtggtggt 240
    |||
Db 242 gtccagcgtgtggaagcagctgtcgtcatgtgtggtggtggtggtggtggtggtggtggtggt 301
Oy 241 gaggcagtggaacatcatgtgagctctatcttgtgtccaaagaaatccaaagatcttccttc 300
    |||
Db 302 gaggcagtggaacatcatgtgagctctatcttgtgtccaaagaaatccaaagatcttccttc 361
Oy 301 taccggcggagacatggtggtcaccctccacagcttcgagctgagctgagctgagctgagct 360
    |||
Db 362 taccggcggagacatggtggtcaccctccacagcttcgagctgagctgagctgagctgagct 421
Oy 361 ctgtgacagtggtcgtgaagcgcagatcagcctgtcagaactaccagcttcgcgaagtgt 420
    |||
Db 422 ctgtgacagtggtcgtgaagcgcagatcagcctgtcagaactaccagcttcgcgaagtgt 481
Oy 421 ggcctggaatgcccccatcacagacttctacttcacagcagtgtagtag 468
    |||
Db 482 ggcctggaatgcccccatcacagacttctacttcacagcagtgtagtag 529
```

RESULT 12

```
AAZ30051
ID AAZ30051 standard; cDNA: 2648 BP.
```

```
AAZ30051;
```

```
26-JAN-2000 (first entry)
```

```
DE cDNA encoding a human interleukin-1 receptor antagonist.
```

```
XX Human; interleukin-1 receptor; IL-1; antagonist; sepsis;
KW acute pancreatitis; endotoxin shock; cytokine induced shock;
KW rheumatoid arthritis; chronic inflammatory arthritis;
KW pancreatic cell damage; diabetes mellitus type 1;
KW graft versus host disease; inflammatory bowel disease;
KW inflammation; pulmonary disease; autoimmune disease;
KW inflammatory disease; antiproliferative; myelogenous leukemia;
KW premature labor; intrauterine infection; nutritional activity;
KW hematopoiesis regulating activity; tissue growth activity;
KW activin activity; inhibin activity; chemotactic activity;
KW chemokine activity; hemostatic activity; thrombolytic activity;
KW anti-inflammatory activity; ss.
```

```
XX Homo sapiens.
```

```
XX OS
```

```
XX MO9951744-A2.
```

```
XX 14-OCT-1999.
```

```
XX 05-APR-1999; 99WO-US04291.
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XX 03-APR-1998; 98US-0055010.
```

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XX 15-MAY-1998; 98US-0079909.
```

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XX 20-MAY-1998; 98US-0082364.
```

```
XX 19-JUN-1998; 98US-0099818.
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```
XX 31-JUL-1998; 98US-0127698.
```

```
XX 13-JAN-1999; 99US-0229591.
```

```
XX 17-FEB-1999; 99US-0251370.
```

```
XX (HXSE-) HXSEQ INC.
```

```
XX Drmanac R, Crkvenjakov R, Dickson M, Drmanac S, Labat I;
```

```
XX Leshkowitz D, Kita D, Ford J, Pace A, Alfinito M;
```

```
PT e.g. sepsis, shock, arthritis, pancreatitis, graft-versus-host disease,
PI inflammatory disease, autoimmune disease or proliferative disease
PS Claim 1; Fig 8; 123pp; English.
XX
CC The present sequence encodes a human interleukin-1 (IL-1) receptor
CC antagonist. It is an extension of AAZ30050. The encoded polypeptide is
CC capable of binding IL-1 receptors (IL-1Rs). The polynucleotides and
CC polypeptides can be used for the prevention or treatment of disorders
CC involving sepsis, acute pancreatitis, chronic inflammatory arthritis, pancreatic
CC shock, rheumatoid arthritis, endotoxin shock, cytokine induced
CC cell damage from diabetes mellitus type 1, graft versus host disease,
CC inflammatory bowel disease, inflammation associated with pulmonary
CC disease, other autoimmune disease or inflammatory disease, an
CC antiproliferative agent such as for acute or chronic myelogenous
CC leukemia or in the prevention of premature labor secondary to
CC intrauterine infections. They can also exhibit activities such as e.g.
CC nutritional activity, cytokine and cell proliferation/differentiation
CC activity, immune stimulating or suppressing activity, hematopoiesis
CC regulating activity, tissue growth activity, activin/inhibin activity,
CC chemotactic/chemokinetic activity, hemostatic and thrombolytic activity,
CC receptor/ligand activity, and anti-inflammatory activity. The products
CC can also be used for detection, diagnosis and drug screening.
XX
SQ Sequence 2648 BP; 744 A; 589 C; 644 G; 671 T; 0 other:
Query Match 100.0%; Score 468; DB 20; Length 2648;
Best Local Similarity 100.0%; Pred. No. 1,Je-229;
Matches 468; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Oy 1 atgtccctgagtggtggcgtgtgtgtccccaatggaagagctggacatgaagtgtctat 60
    |||
Db 62 atgtccctgagtggtggcgtgtgtgtccccaatggaagagctggacatgaagtgtctat 121
Oy 61 ctgcataataaacacagcttctagctgagtggtggtggtggtggtggtggtggtggtggtggt 120
    |||
Db 122 ctgcataataaacacagcttctagctgagtggtggtggtggtggtggtggtggtggtggtggt 181
Oy 121 gagatcagcgtgtgtccccaatcgtgtgctgagatgccagccttcccccgtacatcttggt 180
    |||
Db 182 gagatcagcgtgtgtgtccccaatcgtgtgctgagatgccagccttcccccgtacatcttggt 241
Oy 181 gtccagcgtgtggaagcagctgtcgtcatgtgtggtggtggtggtggtggtggtggtggtggt 240
    |||
Db 242 gtccagcgtgtggaagcagctgtcgtcatgtgtggtggtggtggtggtggtggtggtggtggt 301
Oy 241 gaggcagtggaacatcatgtgagctctatcttgtgtccaaagaaatccaaagatcttcaccttc 300
    |||
Db 302 gaggcagtggaacatcatgtgagctctatcttgtgtccaaagaaatccaaagatcttcaccttc 361
Oy 301 taccggcggagacatggtggtcaccctccacagcttcgagctgagctgagctgagctgagct 360
    |||
Db 362 taccggcggagacatggtggtcaccctccacagcttcgagctgagctgagctgagctgagct 421
Oy 361 ctgtgacagtggtcgtgaagcgcagatcagcctgtcagaactaccagcttcgcgaagtgt 420
    |||
Db 422 ctgtgacagtggtcgtgaagcgcagatcagcctgtcagaactaccagcttcgcgaagtgt 481
Oy 421 ggcctggaatgcccccatcacagacttctacttcacagcagtgtagtag 468
    |||
Db 482 ggcctggaatgcccccatcacagacttctacttcacagcagtgtagtag 529
```

RESULT 13

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AAAF31351
ID AAAF31351 standard; cDNA: 357 BP.
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```
AAAF31351;
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```
05-APR-2001 (first entry)
```

```
DE B2HFLS20W cDNA library sequence #1.
```

```

XX XX Interleukin; IL-1 receptor; cancer; Inflammation; ss.
XX KW Homo sapiens.
XX OS WO200102571-A2.
XX PN 11-JAN-2001.
XX PD 07-JUL-2000; 2000WO-US18710.
XX PF 07-JUL-1999; 99US-0348942.
XX PR 13-OCT-1999; 99US-0417455.
XX PR 08-DEC-1999; 99US-0457626.
XX PR 10-MAR-2000; 2000US-0523552.
XX PR 22-MAY-2000; 2000US-0576008.
XX PA (HYSE-) HYSEQ INC.
XX PI Ford J, Pace A;
XX DR WPI: 2001-071582/08.
XX XX Isolated nucleic acids encoding interleukin-1 (IL-1) receptor
XX PT antagonist proteins (referred as IL-1HY1), useful in the treatment of
XX PT cancer, e.g. breast adenocarcinoma and brain tumors, and an
XX PT inflammatory disease mediated by IL-18 -
XX PS Claim 1; Fig 2; 179pp; English.
XX CC The present invention relates to interleukin (IL)-1 receptor
XX CC antagonist proteins. IL-1HY1 is useful for treating cancer,
XX CC an inflammatory disease mediated by IL-18, inflammation
XX CC resulting from infection or allergic reactions, and inflammation
XX CC associated with chronic bronchitis, arthritis, diabetes or
XX CC endothermia.
XX SQ Sequence 357 BP; 62 A; 95 C; 84 G; 57 T; 59 other;
Query Match 51.9%; Score 243; DB 22; Length 357;
Best Local Similarity 100.0%; Pred. NO. 1.4e-114;
Matches 243; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
OY 226 ccgacctaacctagagccagtgacatcatgagctctatctgtgtgccaagaatcc 285
DB 1 ccgacctaacctagagccagtgacatcatgagctctatctgtgtgccaagaatcc 60
OY 286 aagagcttacccttaccagcgcgagacatggggtcaccctcagcttcgagctgc 345
DB 61 aagagcttacccttaccagcgcgagacatggggtcaccctcagcttcgagctgc 120
OY 346 taccgggctgtgtctctgtgcaagtgctgaagccgatacgccttcagactcaccag 405
DB 121 taccgggctgtgtctctgtgcaagtgctgaagccgatacgccttcagactcaccag 180
OY 406 ctcccgagaatgtgtgcggaaatgcccccatcacagacttcaacttcagcgagttgac 465
DB 181 ctcccgagaatgtgtgcggaaatgcccccatcacagacttcaacttcagcgagttgac 240
OY 466 tag 468
DB 241 tag 243
RESULT 14
AAZ30048
ID AAZ30048 standard; cDNA; 358 BP.
XX AAZ30048;
XX 26-JAN-2000 (first entry)
XX

```

```

DE CDNA encoding a human interleukin-1 receptor antagonist.
XX KW Human; interleukin-1 receptor; IL-1; antagonist; sepsis;
XX KW acute pancreatitis; endotoxin shock; cytokine induced shock;
XX KW rheumatoid arthritis; chronic inflammatory arthritis;
XX KW pancreatic cell damage; diabetes mellitus type 1;
XX KW graft versus host disease; inflammatory bowel disease;
XX KW inflammation; pulmonary disease; autoimmune disease;
XX KW inflammatory disease; antiproliferative; myelogenous leukemia;
XX KW premature labor; intrauterine infection; nutritional activity;
XX KW hematopoiesis regulating activity; tissue growth activity;
XX KW actinin activity; inhibit activity; chemotactic activity;
XX KW chemokinetic activity; hemostatic activity; thrombolytic activity;
XX KW anti-inflammatory activity; ss.
XX OS Homo sapiens.
XX PN WO951744-A2.
XX PD 14-OCT-1999.
XX PF 05-APR-1999; 99WO-US04291.
XX PR 03-APR-1998; 98US-0055010.
XX PR 15-MAY-1998; 98US-0079909.
XX PR 20-MAY-1998; 98US-0082364.
XX PR 19-JUN-1998; 98US-0099818.
XX PR 31-JUL-1998; 98US-0127698.
XX PR 13-JAN-1999; 99US-0229591.
XX PR 17-FEB-1999; 99US-0251370.
XX PA (HYSE-) HYSEQ INC.
XX PI Drmanac R, Ckrvenjakov R, Dickson M, Drmanac S, Labat I;
XX PI Lesnikowicz D, Kita D, Ford J, Pace A, Alfienito M;
XX DR WPI: 1999-611042/52.
XX DR P-PSDB; AAY43525.
XX PT New isolated interleukin-1 receptor binding polypeptides, used to treat
XX PT e.g. sepsis, shock, arthritis, pancreatitis, graft-versus-host disease,
XX PT inflammatory disease, autoimmune disease or proliferative disease -
XX PS Claim 1; Fig 2; 123pp; English.
XX CC The present sequence encodes a human interleukin-1 (IL-1) receptor
XX CC antagonist. The sequence was obtained from the B2HFLS20W cDNA library of
XX CC foetal liver-spleen. The encoded polypeptide is capable of binding IL-1
XX CC receptors (IL-1Rs). The polynucleotides and polypeptides can be used for
XX CC the prevention or treatment of disorders involving sepsis, acute
XX CC pancreatitis, endotoxin shock, cytokine induced shock, rheumatoid
XX CC arthritis, chronic inflammatory arthritis, pancreatic cell damage from
XX CC diabetes mellitus type 1, graft versus host disease, inflammatory bowel
XX CC disease, inflammation associated with pulmonary disease, other autoimmune
XX CC disease or inflammatory disease, an antiproliferative agent such as for
XX CC acute or chronic myelogenous leukemia or in the prevention of premature
XX CC labor secondary to intrauterine infections. They can also exhibit
XX CC activities such as e.g. nutritional activity, cytokine and cell
XX CC proliferation/differentiation activity, immune stimulating or
XX CC suppressing activity, hematopoiesis regulating activity, tissue growth
XX CC activity, actinin/inhibin activity, chemotactic/chemokinetic activity,
XX CC hemostatic and thrombolytic activity, receptor/ligand activity, and
XX CC anti-inflammatory activity. The products can also be used for
XX CC detection, diagnosis and drug screening.
XX SQ Sequence 358 BP; 63 A; 95 C; 83 G; 58 T; 59 other;
Query Match 51.9%; Score 243; DB 20; Length 358;
Best Local Similarity 100.0%; Pred. NO. 1.4e-114;
Matches 243; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
OY 226 ccgacctaacctagagccagtgacatcatgagctctatctgtgtgccaagaatcc 285

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Db 1 cggactctaaacactagagccagtgaaacatcatgagctctactctgtggtgccaaggaatcc 60
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Db 61 aagagcttcacacctctacacggcggaacatgaggtcaccctcagcttgagatcgctgcc 120
OY 346 taccgggctgtgttcctcgtgacaggtgacctgaagccagatcagcctgtcagatcacccag 405
Db 121 taccgggctgtgttcctcgtgacaggtgacctgaagccagatcagcctgtcagatcacccag 180
OY 406 ctcccgagaatggtgctggaatgccccatcacagactctactctcagcagtgtagc 465
Db 181 ctcccgagaatggtgctggaatgccccatcacagactctactctcagcagtgtagc 240
OY 466 tag 468
Db 241 tag 243

RESULT 15

AAEF31352

ID AAEF31352 standard; cDNA: 985 BP.

AC AAEF31352;

DT 05-APR-2001 (first entry)

DE B2HFLS20W cDNA library sequence #2.

KW Interleukin; IL-1 receptor; cancer; inflammation; ss.

OS Homo sapiens.

PN W0200102571-A2.

PD 11-JAN-2001.

PF 07-JUL-2000; 2000MO-US18710.

PR 07-JUL-1999; 99US-0348942.

PR 13-OCT-1999; 99US-0417455.

PR 08-DEC-1999; 99US-0457626.

PR 10-MAR-2000; 2000US-0523552.

PR 22-MAY-2000; 2000US-0576008.

PA (HXSE-) HXSEQ INC.

PI Ford J, Pace A;

DR WPI; 2001-071582/08.

PT Isolated nucleic acids encoding interleukin-1 (IL-1) receptor

PT antagonist proteins (referred as IL-1H1), useful in the treatment of

PT cancer, e.g. breast adenocarcinoma and brain tumors, and an

PT inflammatory disease mediated by IL-18 -

PS Claim 1; Fig 2; 179pp; English.

XX The present invention relates to interleukin (IL)-1 receptor

XX antagonist proteins. IL-1H1 is useful for treating cancer,

XX an inflammatory disease mediated by IL-18, inflammation

XX resulting from infection or allergic reactions, and inflammation

XX associated with chronic bronchitis, arthritis, diabetes or

XX endothermia.

XX Sequence 985 BP; 232 A; 264 C; 249 G; 240 T; 0 other;

OY 226 cggactctaaacactagagccagtgaaacatcatgagctctactctgtggtgccaaggaatcc 285
Db 1 cggactctaaacactagagccagtgaaacatcatgagctctactctgtggtgccaaggaatcc 60
OY 286 aagagcttcacacctctacacggcggaacatgaggtcaccctcagcttgagatcgctgcc 345
Db 61 aagagcttcacacctctacacggcggaacatgaggtcaccctcagcttgagatcgctgcc 120
OY 346 taccgggctgtgttcctcgtgacaggtgacctgaagccagatcagcctgtcagatcacccag 405
Db 121 taccgggctgtgttcctcgtgacaggtgacctgaagccagatcagcctgtcagatcacccag 180
OY 406 ctcccgagaatggtgctggaatgccccatcacagactctactctcagcagtgtagc 465
Db 181 ctcccgagaatggtgctggaatgccccatcacagactctactctcagcagtgtagc 240
OY 466 tag 468
Db 241 tag 243

Search completed: February 4, 2002, 15:17:21
Job time: 2896 sec

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GenCore version 4.5
Copyright (c) 1993 - 2000 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: February 4, 2002, 12:56:34 : Search time 1214.64 Seconds
(without alignments)
4140.341 Million cell updates/sec

Title: US-09-612-921-3
Perfect score: 468
Sequence: 1 atggtcctgagtgaggcgct.....acttcagcagtgtagtag 468

Scoring table: OLIGO-MNC
Gapop 60.0 , Gapext 60.0

Searched: 11351937 seqs, 5372889281 residues
Word size : 30

Total number of hits satisfying chosen parameters: 4

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Listing first 45 summaries

Database :

EST:*
1: em_estfun:*
2: em_esthum:*
3: em_estin:*
4: em_estom:*
5: em_estpl:*
6: em_estda:*
7: em_estro:*
8: em_estov:*
9: em_hc:*
10: qd_estcl:*
11: qd_est2:*
12: qd_hc:*
13: qd_gss:*
14: em_gss_fun:*
15: em_gss_hum:*
16: em_gss_huv:*
17: em_gss_pln:*
18: em_gss_pro:*
19: em_gss_rtd:*
20: em_gss_vrt:*
21: em_gss_other:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	468	100.0	858	11	BI090567 602855674
2	459	98.1	932	10	AL545100 AL545100
3	458	97.9	726	11	BI089828 602855071
4	40	8.5	120	11	BG987216 MR2-HT116

ALIGNMENTS

RESULT 1
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LOCUS BI090567 858 bp mRNA EST 20-JUN-2001

DEFINITION 602855674F1 NIH_MGC_10 Homo sapiens cDNA clone IMAGE:499639 5', mRNA sequence.
ACCESSION BI090567
VERSION BI090567.1 GI:1450897
KEYWORDS EST.
SOURCE human.
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.
REFERENCE 1 (bases 1 to 858)
AUTHORS NIH-MGC <http://mgc.nci.nih.gov/>.
TITLE National Institutes of Health, Mammalian Gene Collection (MGC)
JOURNAL Unpublished (1999)
COMMENT Contact: Robert Strausberg, Ph.D.
Email: cgabds-remail.nih.gov
Tissue Procurement: ATCC
CDNA Library Preparation: Life Technologies, Inc.
CDNA Library Arrayed by: Incyte Genomics, Inc.
DNA Sequencing by: Incyte Genomics, Inc.
Clone distribution: MGC clone distribution information can be found through the I.M.A.G.E. Consortium/LLNL at: <http://image.llnl.gov>
Plate: LHAM1023 row: c column: 20
High quality sequence stop: 670.
Location/Qualifiers
1. 858
/organism="Homo sapiens"
/db_xref="taxon:9606"
/clone="IMAGE:499639"
/clone_11d="NIH_MGC_10"
/cell_line="MGC36"
/lab_host="DH10B"
/note="Organ: cervix; Vector: pCMV-SPORT6; Site_1: NotI; Site_2: SalI; Cloned unidirectionally. Primer: Oligo dt. Average insert size 1.5 kb. library prepared by Life Technologies."
BASE COUNT 204 a 212 c 272 g 170 t
ORIGIN

Query Match 100.0%; Score 468; DB 11; Length 858;
Best Local Similarity 100.0%; Pred. No. 4e-224;
Matches 468; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 135 ATGCTCCTGAGTGGGCGCTGCTCCGAATGAAGACTGGCATGAAGTCTTTAT 194

QY 61 ctgcataataaccagctcttagctggagggtgctgcatcagggaaggtcattaaaggtaa 120
DB 195 CTGCATATAACCAAGCTTCTAGCTGAGGGCTGCATCCAGGAGGTCATTAAAGTGAA 254

QY 121 gagtcagcgtgtgtcccaatcgtgtgctgataccagcgcctgtcccgatcctgtgt 180
DB 255 GAGATCAGCGTGTGCTCCCAATCGGTGCTGATGCCAGCTGTCCCGCTATCTGGGT 314

QY 181 gtccaggtggaagccagctgtgtcattgtgtgtgtgtgtgtgtgtgtgtgtgtgt 240
DB 315 GTCCAGGTTGGAAGCCAGTGTCTCATGTGGGGTGGGCAAGACCGACTTAACACTA 374

QY 241 gagccagtgaacatcatcaggagctctatcttgggtgccaaggaatccaagacttca 300
DB 375 GAGCAGTGAACATCAATGAGAGCTTATCTTGTGCCAAGGAATCAAGAGCTTACCTTC 434

QY 301 taaccgaggaacatgaggtgtcaacctcagctcagctcagctcagctcagctcagctc 360
DB 435 TACCGGGGAGACATGGGGCTACCTCCAGCTTCAGTGGGCTGCTACCGGGGTGTTT 494

QY 361 ctgtgcaagtgcttgaagccagatcagctgtcagactcaaccaagcttccagaaatgt 420
DB 495 CTGTGACAGGTGCTGAAGCGATCAAGCTGTCAAGTCAAGCTTCCCGAAGATGT 554

QY 421 ggcgtgaatgcgcccatcacagacttacttccagcagtgtagtag 468

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Db 555 GGCTGGAATGCCCCCATCACAGCTCTACTCTCCACGACGTGACAG 602
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RESULT 2
AL545100 932 bp mRNA EST 16-FEB-2001
LOCUS AL545100 LTI_NFL006.PL2 Homo sapiens cDNA clone CS0D1013YA07 5
DEFINITION prime, mRNA sequence.
ACCESSION AL545100
VERSION AL545100.1 GI:12877581
KEYWORDS EST.
SOURCE human.
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.
REFERENCE 1 (bases 1 to 932)
AUTHORS Li, W.B., Gruber, C., Jessee, J. and Polayes, D.
TITLE Full-length cDNA libraries and normalization
JOURNAL Unpublished (2001)
COMMENT Contact: Genoscope
Genoscope - Centre National de Sequencage
BP 191 91006 Evry cedex - France
Email: seqref@genoscope.cns.fr, Web : www.genoscope.cns.fr.
Location/Qualifiers
source 1..932
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/db_xref="taxon:9606"
/clone="CS0D1013YA07"
/clone_1ib="LTI_NFL006.PL2"
/tissue_type="Placenta"
/note="Vector: PCMVSPORT 6; Site.1: NotI; 1st strand cDNA
was primed with a NotI-oligo(dT) primer. Five prime end
enriched, double-stranded cDNA was digested with Not I and
cloned into the Not I and Eco RV sites of the PCMVSPORT 6
vector. Library was normalized. Library was constructed by
Life Technologies. Contact : Feng Liang Life Technologies,
Rockville, Maryland 20850, USA Fax : (1) 301 610 8371
Email : fliang@life.com URL :
http://fulllength.livtrogen.com"

BASE COUNT 206 a 230 c 250 g 201 t 5 others
ORIGIN
Query Match 98.1%; Score 459; DB 10; Length 932;
Best Local Similarity 100.0%; Pred. No. 1.3e-219; Indels 0; Gaps 0;
Matches 459; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 10 agtgggagcgtgtgtctcgaatgaagagctcgacatgaagtgcttatactgataat 69
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Db 104 AGTGGGCGCTGTGCTCCGAATGAAGAGCTCGCATTTGAGTGCTTTATCTGCATTAAT 163
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QY 70 aaccagctctcagctgtagagagctgcatgcaaggaaagtcataaaggtgaagagatcagc 129
|||||
Db 164 AACGACCTTCTAGCTGAGAGGCTGCATGCAAGGAAAGTCATTAAAGTGAAGAGATCAGC 223
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QY 130 gtgtgtcccaatcggtgtgtgtagtcagcagctgtcccgctactcctgtgtgtcagaggt 189
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Db 224 GTGTGTCCCAATCGTGTGCTGATGTCAGCTGTCCCGCTCATCTCTGGGTGTCAGGGT 283
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QY 190 ggaagcagctgtgtcgtcgtgtagtgggtgtaggagcagagcagacttaacactagaagcagtg 249
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Db 284 GGAAGCAGTGTGCTGTCAATGTGGGGTGGGCAAGAGCCAGCTTAACACTAGAGCCAGTG 343
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QY 250 aacatcatgagagctatcttgggtgcaagaaatcacaagagcttcaactctacagcgag 309
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Db 344 AACATCATGAGAGCTATCTTGTGTGCAAGGAATCAAGAGCTTCACTTCTACCGCGG 403
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QY 310 gacatgagagctaacctccagcttgcagtgctgtcgtctacccggcggtgtgtctgtgacag 369
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Db 404 GACATGGGGCTCACCTCCAGCTTCGAGTGGCTTACCCGGGCGTGTCTGTGTCAGC 463
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QY 370 gtgcctgaagccatcagcgtgtcagactcaccagcttcccgagaatgtgtcgtgaat 429
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Db 464 GTGCTGGAAGCCGATCAGCTGTGTCACTACACTCCAGACTTCCGAGATGTGTGGTGAAT 523
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QY 430 gccccatcacagacttacttccagcagtgtagact 468
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Db 524 GCCCCATCACAGACTTCTACTTCCAGAGTGTGACTAG 562
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RESULT 3
BI089828 726 bp mRNA EST 20-JUN-2001
LOCUS BI089828
DEFINITION 60285071F1 NIH_MGC_10 Homo sapiens cDNA clone IMAGE:4996432 5',
mRNA sequence.
ACCESSION BI089828
VERSION BI089828.1 GI:14508158
KEYWORDS EST.
SOURCE human.
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.
REFERENCE 1 (bases 1 to 726)
AUTHORS NIH-MGC http://mgc.nci.nih.gov/.
TITLE National Institutes of Health, Mammalian Gene Collection (MGC)
JOURNAL Unpublished (1999)
COMMENT Contact: Robert Strausberg, Ph.D.
Email: cgabs@remail.nih.gov
Tissue Procurement: ATCC
cDNA Library Preparation: Life Technologies, Inc.
cDNA Library Arrayed by: Incyte Genomics, Inc.
DNA Sequencing by: Incyte Genomics, Inc.
Clone distribution: MGC clone distribution information can be
found through the I.M.A.G.E. Consortium/MLN at:
http://image.llnl.gov
Place: LLM11021 row: n column: 17
High quality sequence stop: 709.
Location/Qualifiers
source 1..726
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/clone="IMAGE:4996432"
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/cell_line="MGC36"
/lab_host="DH10B"
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Site.2: SalI; Cloned unidirectionally. Primer: Oligo dt.
Average insert size 1.5 kb. Library prepared by Life
Technologies."

BASE COUNT 151 a 201 c 213 g 161 t
ORIGIN
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Best Local Similarity 100.0%; Pred. No. 4.1e-219; Indels 0; Gaps 0;
Matches 458; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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|||||
Db 1 GTGGGGCGCTGTGCTCCGAATGAAGAGCTCGCATTTGAGTGCTTTATCTGCATTAAT 60
|||||
QY 71 accagcttctcagctgtagagagctgcatgcaaggaaagtcataaaggtgaagagatcagc 130
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Db 61 ACCAGCTTCTAGCTGAGAGGCTGCATGCAAGGAAAGTCATTAAAGTGAAGAGATCAGC 120
|||||
QY 131 tgggtcccaatcggtgtgtgtagtcagcagctgtcccgctactcctgtgtgtcagaggt 190
|||||
Db 121 TGTGTCCCAATCGTGTGCTGATGTCAGCTGTCCCGCTCATCTCTGGGTGTCAGGGT 180
|||||
QY 191 gaagcagagctgtgtcgtgtagtgggtgtaggagcagagcagacttaacactagaagcagtg 250
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Db 181 GAAGCCAGTGTGCTGTCAATGTGGGGTGGGCAAGAGCCAGCTTAACACTAGAGCCAGTGA 240
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QY 251 acatcatgagagctatcttgggtgcaagaaatcacaagagcttcaactctacagcgag 310
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Db      241  ACATATGAGAGCTATCTATGTTGGTCCAAAGAAATCCAAAGAGCTTCACTTCAAGCGGCG 300
Oy      311  acatggggtaccccccagcttcgagtcgagtcgctaccggcgtgcttcgttcacag 370
Db      301  ACATGGGGCTCACCCTCCAGTCGAGTCGGCTTACCCTGGGGCTGGTCCGTGCACCG 360
Oy      371  tggcgaagccatcagctgtcagctaccacccagcttcggagaatgttgagtg 430
Db      361  TGCCGAAGCCGATAGCGCTGTGACACTCACCACAGCTTCCGAGATGCTGGATG 420
Oy      431  ccccatcacagactctactctccagcagtgtagtag 468
Db      421  CCCCATCAGAGCTTCTACTCTCCAGAGTGTGACTAG 458

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RESULT 4

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Bg987216      120 bp      mRNA      EST      13-JUN-2001
LOCUS      MR2-HT1161-050101-004-cl2_1 HT1161 Homo sapiens cDNA, mRNA
DEFINITION      sequence.

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ACCESSION BG987216.

VERSION BG987216.1 GI:14391286

KEYWORDS EST.

SOURCE human.

ORGANISM Homo sapiens

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.

REFERENCE 1 (bases 1 to 120)

AUTHORS

Dias Neto,E., Garcia Correa,R., Verjovski-Almeida,S., Briones,M.R., Nagai,M.A., da Silva,W. Jr., Zago,M.A., Bordin,S., Costa,F.F., Goldman,G.H., Carvalho,A.F., Matsukuma,A., Baia,G.S., Simpson,D.H., Brunstein,A., deOliveira,P.S., Bucher,P., Jongeneel,C.V., O'Hare,M.J., Soares,F., Brentani,R.R., Reis,L.F., de Souza,S.J. and Simpson,A.J.

Shotgun sequencing of the human transcriptome with ORF expressed

sequence tags

Proc. Natl. Acad. Sci. U.S.A. 97 (7), 3491-3496 (2000)

JOURNAL

MEDLINE

COMMENT

Contact: Simpson A.J.G. Laboratory of Cancer Genetics Ludwig Institute for Cancer Research Rua Prof. Antonio Prudente 109, 4 andar, 01509-010, Sao Paulo-SP, Brazil

Tel: +55-11-2704922

Fax: +55-11-2707001

Email: asimpson@ludwig.org.br

This sequence was derived from the FAPESP/LICR Human Cancer Genome

Project. This entry can be seen in the following URL

(http://www.ludwig.org.br/scripts/gethtml2.pl?PL=MR2&t2=MR2-HT1161-050101-004-cl2_1&t3=2001-01-05&t4=1)

Seq primer: puc 18 forward

High quality sequence stop: 84.

Location/Qualifiers

1. 120

/organism="Homo sapiens"

/db_xref="taxon:9606"

/clone_lib="HT1161"

/dev_stage="Adult"

/note="Organ: head_neck; Vector: puc18; Site:1: SmaI;

Site:2: SmaI; A mini-library was made by cloning products

derived from ORESTES PCR (U.S. Letters Patent application

No. 196,716 - Ludwig Institute for Cancer Research)

Profiles into the pUC 18 vector. Reverse transcription of

tissue mRNA and cDNA amplification were performed under

low stringency conditions."

20 a 29 c 45 g 25 t 1 others

BASE COUNT

ORIGIN

Query Match 8.5%; Score 40; DB 11; Length 120;
 Best Local Similarity 100.0%; Pred. No. 1.8e-09;
 Matches 40; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Oy      105  ggtcataaaggtgaagagatcagctgtgtcccaatcg 144
Db      1  GGTCAITTAAGGTGAAGAGATCAGCGTGTGTCCTCCCAATCG 40

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Search completed: February 4, 2002, 14:50:51
 Job time: 6857 sec

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GenCore version 4.5
Copyright (c) 1993 - 2000 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: February 4, 2002, 14:50:55 ; Search time 252.12 Seconds

(without alignments)
4259.109 Million cell updates/sec

Title: US-09-612-921-3

Perfect score: 468
Sequence: 1 atgtccctgagtgaggcgctct.....acttcacgacgtgtgactag 468

Scoring table: OLIGO_NUC
Gapop 60.0, Gapext 60.0

Searched: 1960034 seqs, 1147229242 residues

Word size: 30

Total number of hits satisfying chosen parameters: 10

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Listing first 45 summaries

Database:

Pending_Patents_NA_New:*
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2: /cgn2_6/ptodata/2/pna/US06_NEW_COMB.seq:*
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4: /cgn2_6/ptodata/2/pna/US08_NEW_COMB.seq:*
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6: /cgn2_6/ptodata/2/pna/US09_NEW_COMB.seq1:*
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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length DB	ID	Description
1	468	100.0	468	US-09-965-640-3	Sequence 3, Appl1
2	468	100.0	1025	US-09-775-046-1	Sequence 1, Appl1
3	468	100.0	1282	US-10-004-382-4	Sequence 4, Appl1
4	468	100.0	2598	US-10-006-867-151	Sequence 151, App
5	468	100.0	2648	US-10-004-382-6	Sequence 6, Appl1
6	246	52.6	373	US-09-898-888A-30741	Sequence 30741, A
7	243	51.9	357	US-10-004-382-1	Sequence 1, Appl1
8	243	51.9	985	US-10-004-382-2	Sequence 2, Appl1
9	227	48.5	5751	US-10-004-382-7	Sequence 7, Appl1
10	227	48.5	7605	US-10-004-382-8	Sequence 8, Appl1

ALIGNMENTS

RESULT 1
; Sequence 3, Application US/09965640
; GENERAL INFORMATION:
; APPLICANT: Sims, John E.
; TITLE OF INVENTION: IL-1 DELTA DNA AND POLYPEPTIDES
; FILE REFERENCE: 0315-C
; CURRENT APPLICATION NUMBER: US/09/965,640
; CURRENT FILING DATE: 2001-09-27

PRIOR APPLICATION NUMBER: 09/612,921
; PRIOR FILING DATE: 2000-07-10
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 3
; LENGTH: 468
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(468)
; OTHER INFORMATION:
US-09-965-640-3

Query Match 100.0%; Score 468; DB 6; Length 468;
Best Local Similarity 100.0%; Pred. No. 2,4e-231;
Matches 468; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```
QY 1 atgtccctgagtgaggcgctctccgaatgaaggactggcatgaagtgctttat 60
DB 1 atgtccctgagtgaggcgctctccgaatgaaggactggcatgaagtgctttat 60
QY 61 ctgcaataaaccacgtctctagctgagggctgcatgcaagggaaggtcattaaagttaa 120
DB 61 ctgcaataaaccacgtctctagctgagggctgcatgcaagggaaggtcattaaagttaa 120
QY 121 gagatacagctgtgtcccaatcgtgtgctgatatgcacagctgtcccgatcctcgtgt 180
DB 121 gagatacagctgtgtcccaatcgtgtgctgatatgcacagctgtcccgatcctcgtgt 180
QY 181 gtccaggttggaagcagctgtctgtcatgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgt 240
DB 181 gtccaggttggaagcagctgtctgtcatgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgt 240
QY 241 gagccagtgaaacatcatgagctctatctgtgtgccaaggatccaaggcttaaccttc 300
DB 241 gagccagtgaaacatcatgagctctatctgtgtgccaaggatccaaggcttaaccttc 300
QY 301 taccgagcgacatgaggctgacacctccagcttcagctgagctgctacccgggctgtgtc 360
DB 301 taccgagcgacatgaggctgacacctccagcttcagctgagctgctacccgggctgtgtc 360
QY 361 ctgtgacagctgtgctgaaagccgatacagctgtcagactcaccagctcccgagaatgt 420
DB 361 ctgtgacagctgtgctgaaagccgatacagctgtcagactcaccagctcccgagaatgt 420
QY 421 ggcgtgaatgcccccatcacagacttcaacttcaagcagtgtagtag 468
DB 421 ggcgtgaatgcccccatcacagacttcaacttcaagcagtgtagtag 468
```

RESULT 2
; Sequence 1, Application US/09775046
; GENERAL INFORMATION:
; APPLICANT: Debets, Johannes; Eduard Maria Antonius
; APPLICANT: Timans, Jacqueline C.
; APPLICANT: Bazan, J. Fernando
; APPLICANT: Kasteleiro, Robert A.
; TITLE OF INVENTION: MAMMALIAN CYTOKINES; RECEPTORS; RELATED REAGENTS AND METHODS
; FILE REFERENCE: DX01073K
; CURRENT APPLICATION NUMBER: US/09/775,046
; CURRENT FILING DATE: 2001-02-01
; PRIOR APPLICATION NUMBER: 60/179,638
; PRIOR FILING DATE: 2000-02-02
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
; LENGTH: 1025
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:

NAME/KEY: CDS
LOCATION: (58) ..(522)
OTHER INFORMATION:
US-09-775-046-1

Query Match 100.0%; Score 468; DB 6; Length 1025;
Best Local Similarity 100.0%; Pred. No. 2,4e-231;
Matches 468; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 atgtctcgtatggtggcgctgtgtcttcggaatgaaagcattgaagtgcttat 60
Db 58 atgtctcgtatggtggcgctgtgtcttcggaatgaaagcattgaagtgcttat 117
Qy 61 ctgtcataaaccagctctctagctggaaggtcgtcatgcaaggaaagtcataaagtgaa 120
Db 118 ctgtcataaaccagctctctagctggaaggtcgtcatgcaaggaaagtcataaagtgaa 177
Qy 121 gagatcaagctgtgtcccaatcgtgtgctggaatgcaagccttcccccgtacatccttgggt 180
Db 178 gagatcaagctgtgtcccaatcgtgtgctggaatgcaagccttcccccgtacatccttgggt 237
Qy 181 gtccaggttgaagcagctgtctcatgttggttgggtggaagcagcagcttaacacta 240
Db 238 gtccaggttgaagcagctgtctcatgttggttgggtggaagcagcagcttaacacta 297
Qy 241 gagcaggtgaacatcatgagctctatctgtgtgcaaggaatccaagagcttccacttc 300
Db 298 gagcaggtgaacatcatgagctctatctgtgtgcaaggaatccaagagcttccacttc 357
Qy 301 taccgcgaggacatgaggctcacctccacagcttcgagctcgagcttccagggctgtgtc 360
Db 358 taccgcgaggacatgaggctcacctccacagcttcgagctcgagcttccagggctgtgtc 417
Qy 361 ctgtcagcgtgtcctgtaagcagatcagcctgtcagactaccagcttccgagaatgt 420
Db 418 ctgtcagcgtgtcctgtaagcagatcagcctgtcagactaccagcttccgagaatgt 477
Qy 421 ggtctgaatggcccatcacagacttctactccagcagctgtgactag 468
Db 478 ggtctgaatggcccatcacagacttctactccagcagctgtgactag 525

RESULT 3
US-10-004-382-4
Sequence 4, Application US/10004382

GENERAL INFORMATION:
APPLICANT: Mize, Nancy K.
APPLICANT: Haley-Vicente, Dana A.
TITLE OF INVENTION: INTERLEUKIN-1 RECEPTOR ANTAGONIST AND USES THEREOF
FILE REFERENCE: 28110/36884A
CURRENT APPLICATION NUMBER: US/10/004,382
CURRENT FILING DATE: 2001-10-31
PRIOR APPLICATION NUMBER: US 60/244,692
PRIOR FILING DATE: 2000-10-31
NUMBER OF SEQ ID NOS: 35
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 4
LENGTH: 1282
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (73)...(537)
US-10-004-382-4

Query Match 100.0%; Score 468; DB 8; Length 1282;
Best Local Similarity 100.0%; Pred. No. 2,4e-231;
Matches 468; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 atgtctcgtatggtggcgctgtgtcttcggaatgaaagcattgaagtgcttat 60
|||||

Db 73 atgtctcgtatggtggcgctgtgtcttcggaatgaaagcattgaagtgcttat 132
Qy 61 ctgtcataaaccagctctctagctggaaggtcgtcatgcaaggaaagtcataaagtgaa 120
Db 133 ctgtcataaaccagctctctagctggaaggtcgtcatgcaaggaaagtcataaagtgaa 192
Qy 121 gagatcaagctgtgtcccaatcgtgtgctggaatgcaagccttcccccgtacatccttgggt 180
Db 193 gagatcaagctgtgtgtcccaatcgtgtgctggaatgcaagccttcccccgtacatccttgggt 252
Qy 181 gtccaggttgaagcagctgtctcatgttggttgggtggaagcagcagcttaacacta 240
Db 253 gtccaggttgaagcagctgtctcatgttggttgggtggaagcagcagcttaacacta 312
Qy 241 gagcaggtgaacatcatgagctctatctgtgtgcaaggaatccaagagcttccacttc 300
Db 313 gagcaggtgaacatcatgagctctatctgtgtgcaaggaatccaagagcttccacttc 372
Qy 301 taccgcgaggacatgaggctcacctccacagcttcgagctcgagcttccagggctgtgtc 360
Db 373 taccgcgaggacatgaggctcacctccacagcttcgagctcgagcttccagggctgtgtc 432
Qy 361 ctgtcagcgtgtcctgtaagcagatcagcctgtcagactaccagcttccgagaatgt 420
Db 433 ctgtcagcgtgtcctgtaagcagatcagcctgtcagactaccagcttccgagaatgt 492
Qy 421 ggtctgaatggcccatcacagacttctactccagcagctgtgactag 468
Db 493 ggtctgaatggcccatcacagacttctactccagcagctgtgactag 540

RESULT 4
US-10-006-867-151
Sequence 151, Application US/10006867

GENERAL INFORMATION:
APPLICANT: Eaton, Dan L.
APPLICANT: Filvaroff, Ellen
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, Christopher J.
APPLICANT: Gurney, Austin L.
APPLICANT: Watanabe, Colin K.
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3230R1C1
CURRENT APPLICATION NUMBER: US/10/006,867
CURRENT FILING DATE: 2001-12-06
PRIOR APPLICATION NUMBER: 60/063435
PRIOR FILING DATE: 1997-10-29
PRIOR APPLICATION NUMBER: 60/064215
PRIOR FILING DATE: 1997-10-29
PRIOR APPLICATION NUMBER: 60/082797
PRIOR FILING DATE: 1998-04-22
PRIOR APPLICATION NUMBER: 60/083495
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/085579
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/087759
PRIOR FILING DATE: 1998-06-02
PRIOR APPLICATION NUMBER: 60/088021
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088029
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088030
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088734
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088740
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088811
PRIOR FILING DATE: 1998-06-10

PRIOR APPLICATION NUMBER: 60/088824
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088825
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088863
PRIOR FILING DATE: 1998-06-11
PRIOR APPLICATION NUMBER: 60/089105
PRIOR FILING DATE: 1998-06-12
PRIOR APPLICATION NUMBER: 60/089514
PRIOR FILING DATE: 1998-06-16
PRIOR APPLICATION NUMBER: 60/089653
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089952
PRIOR FILING DATE: 1998-06-19
PRIOR APPLICATION NUMBER: 60/090246
PRIOR FILING DATE: 1998-06-22
PRIOR APPLICATION NUMBER: 60/090444
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090688
PRIOR FILING DATE: 1998-06-25
PRIOR APPLICATION NUMBER: 60/090696
PRIOR FILING DATE: 1998-06-25
PRIOR APPLICATION NUMBER: 60/090862
PRIOR FILING DATE: 1998-06-26
PRIOR APPLICATION NUMBER: 60/091628
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/096012
PRIOR FILING DATE: 1998-08-10
PRIOR APPLICATION NUMBER: 60/096757
PRIOR FILING DATE: 1998-08-17
PRIOR APPLICATION NUMBER: 60/096949
PRIOR FILING DATE: 1998-08-18
PRIOR APPLICATION NUMBER: 60/096959
PRIOR FILING DATE: 1998-08-18
PRIOR APPLICATION NUMBER: 60/097954
PRIOR FILING DATE: 1998-08-26
PRIOR APPLICATION NUMBER: 60/097971
PRIOR FILING DATE: 1998-08-26
PRIOR APPLICATION NUMBER: 60/097979
PRIOR FILING DATE: 1998-08-26
PRIOR APPLICATION NUMBER: 60/098749
PRIOR FILING DATE: 1998-09-01
PRIOR APPLICATION NUMBER: 60/099741
PRIOR FILING DATE: 1998-09-10
PRIOR APPLICATION NUMBER: 60/099763
PRIOR FILING DATE: 1998-09-10
PRIOR APPLICATION NUMBER: 60/099792
PRIOR FILING DATE: 1998-09-10
PRIOR APPLICATION NUMBER: 60/099812
PRIOR FILING DATE: 1998-09-10
PRIOR APPLICATION NUMBER: 60/099815
PRIOR FILING DATE: 1998-09-10
PRIOR APPLICATION NUMBER: 60/100627
PRIOR FILING DATE: 1998-09-16
PRIOR APPLICATION NUMBER: 60/100662
PRIOR FILING DATE: 1998-09-16
PRIOR APPLICATION NUMBER: 60/100683
PRIOR FILING DATE: 1998-09-17
PRIOR APPLICATION NUMBER: 60/100684
PRIOR FILING DATE: 1998-09-17
PRIOR APPLICATION NUMBER: 60/100930
PRIOR FILING DATE: 1998-09-17
PRIOR APPLICATION NUMBER: 60/101279
PRIOR FILING DATE: 1998-09-22
PRIOR APPLICATION NUMBER: 60/101475
PRIOR FILING DATE: 1998-09-23
PRIOR APPLICATION NUMBER: 60/101738
PRIOR FILING DATE: 1998-09-24
PRIOR APPLICATION NUMBER: 60/101743
PRIOR FILING DATE: 1998-09-24
PRIOR APPLICATION NUMBER: 60/101916
PRIOR FILING DATE: 1998-09-24
PRIOR APPLICATION NUMBER: 60/102570
PRIOR FILING DATE: 1998-09-30
PRIOR APPLICATION NUMBER: 60/103449
PRIOR FILING DATE: 1998-10-06
PRIOR APPLICATION NUMBER: 60/103678
PRIOR FILING DATE: 1998-10-08
PRIOR APPLICATION NUMBER: 60/103679
PRIOR FILING DATE: 1998-10-08
PRIOR APPLICATION NUMBER: 60/103711
PRIOR FILING DATE: 1998-10-08
PRIOR APPLICATION NUMBER: 60/105000
PRIOR FILING DATE: 1998-10-20
PRIOR APPLICATION NUMBER: 60/105002
PRIOR FILING DATE: 1998-10-20
PRIOR APPLICATION NUMBER: 60/105881
PRIOR FILING DATE: 1998-10-27
PRIOR APPLICATION NUMBER: 60/106030
PRIOR FILING DATE: 1998-10-28
PRIOR APPLICATION NUMBER: 60/106464
PRIOR FILING DATE: 1998-10-30
PRIOR APPLICATION NUMBER: 60/106856
PRIOR FILING DATE: 1998-11-03
PRIOR APPLICATION NUMBER: 60/108807
PRIOR FILING DATE: 1998-11-17
PRIOR APPLICATION NUMBER: 60/112419
PRIOR FILING DATE: 1998-12-15
PRIOR APPLICATION NUMBER: 60/112422
PRIOR FILING DATE: 1998-12-15
PRIOR APPLICATION NUMBER: 60/112853
PRIOR FILING DATE: 1998-12-16
PRIOR APPLICATION NUMBER: 60/113011
PRIOR FILING DATE: 1998-12-16
PRIOR APPLICATION NUMBER: 60/112854
PRIOR FILING DATE: 1998-12-16
PRIOR APPLICATION NUMBER: 60/113300
PRIOR FILING DATE: 1998-12-22
PRIOR APPLICATION NUMBER: 60/113408
PRIOR FILING DATE: 1998-12-22
PRIOR APPLICATION NUMBER: 60/113430
PRIOR FILING DATE: 1998-12-23
PRIOR APPLICATION NUMBER: 60/113621
PRIOR FILING DATE: 1998-12-23
PRIOR APPLICATION NUMBER: 60/114223
PRIOR FILING DATE: 1998-12-30
PRIOR APPLICATION NUMBER: 60/115614
PRIOR FILING DATE: 1999-01-12
PRIOR APPLICATION NUMBER: 60/116527
PRIOR FILING DATE: 1999-01-20
PRIOR APPLICATION NUMBER: 60/116843
PRIOR FILING DATE: 1999-01-22
PRIOR APPLICATION NUMBER: 60/119285
PRIOR FILING DATE: 1999-02-09
PRIOR APPLICATION NUMBER: 60/119287
PRIOR FILING DATE: 1999-02-09
PRIOR APPLICATION NUMBER: 60/119525
PRIOR FILING DATE: 1999-02-10
PRIOR APPLICATION NUMBER: 60/119549
PRIOR FILING DATE: 1999-02-10
PRIOR APPLICATION NUMBER: 60/120014
PRIOR FILING DATE: 1999-02-11
PRIOR APPLICATION NUMBER: 60/129122
PRIOR FILING DATE: 1999-04-13
PRIOR APPLICATION NUMBER: 60/129674
PRIOR FILING DATE: 1999-04-16
PRIOR APPLICATION NUMBER: 60/131291
PRIOR FILING DATE: 1999-04-27
PRIOR APPLICATION NUMBER: 60/138387
PRIOR FILING DATE: 1999-06-09
PRIOR APPLICATION NUMBER: 60/144791
PRIOR FILING DATE: 1999-07-20
PRIOR APPLICATION NUMBER: 60/169495
PRIOR FILING DATE: 1999-12-07
PRIOR APPLICATION NUMBER: 60/175481
PRIOR FILING DATE: 2000-01-11

```

; PRIOR APPLICATION NUMBER: 60/191007
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/199397
; PRIOR FILING DATE: 2000-04-25
; PRIOR APPLICATION NUMBER: 09/380139
; PRIOR FILING DATE: 1998-08-25
; PRIOR APPLICATION NUMBER: 09/311832
; PRIOR FILING DATE: 1999-05-14
; PRIOR APPLICATION NUMBER: 09/380137
; PRIOR FILING DATE: 1999-08-25
; PRIOR APPLICATION NUMBER: 09/380138
; PRIOR FILING DATE: 1999-08-25
; PRIOR APPLICATION NUMBER: 09/380142
; PRIOR FILING DATE: 1999-08-25

```

```

Query Match          100.0%; Score 468; DB 8; Length 2598;
Best Local Similarity 100.0%; Pred. No. 2.4e-231;
Matches 468; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

QY 1 atggtcctagtgaggcgctgtgtctccgaatgaagactcgcatggaagtgttat 60
   |||
DB 67 atggtcctagtgaggcgctgtgtctccgaatgaagactcgcatggaagtgttat 126
   |||
QY 61 ctgcataataaccagcttctagcttggaaggctgcagtgcaagggaaggtcattaaagttaa 120
   |||
DB 127 ctgcataataaccagcttctagcttggaaggctgcagtgcaagggaaggtcattaaagttaa 186
   |||
QY 121 gagatcagctgtgtcccaatcggtgtgctggaatgagcagctgtcccgctcatctgggt 180
   |||
DB 187 gagatcagctgtgtcccaatcggtgtgctggaatgagcagctgtcccgctcatctgggt 246
   |||
QY 181 gtccaggtggaagcagctgtctatctgtggtggaaggaagcagctctaaacta 240
   |||
DB 247 gtccaggtggaagcagctgtctatctgtggtggaaggaagcagctctaaacta 306
   |||
QY 241 gagcaggtgaacatcagagctctatctgtgtgccaaggaatccagagcttaccctc 300
   |||
DB 307 gagcaggtgaacatcagagctctatctgtgtgccaaggaatccagagcttaccctc 366
   |||
QY 301 tacccggggagacatggggtccctccacagcttcagagtcggcgctcaccggggtgttc 360
   |||
DB 367 tacccggggagacatggggtccctccacagcttcagagtcggcgctcaccggggtgttc 426
   |||
QY 361 ctgtgacagctgtcctgaagcagatcagctgtcagagctcaccagcttcccgagaatgt 420
   |||
DB 427 ctgtgacagctgtcctgaagcagatcagctgtcagagctcaccagcttcccgagaatgt 486
   |||
QY 421 ggcctggaatgcccccatcacagagcttctactccagcagtgtagtag 468
   |||
DB 487 ggcctggaatgcccccatcacagagcttctactccagcagtgtagtag 534
   |||

```

```

RESULT 5
US-10-004-382-6
; Sequence 6, Application US/10004382
; GENERAL INFORMATION:
; APPLICANT: Mize, Nancy K.
; APPLICANT: Haley-Vicente, Dana A.
; TITLE OF INVENTION: INTERLEUKIN-1 RECEPTOR ANTAGONIST AND USES THEREOF
; FILE REFERENCE: 28110/36864A
; CURRENT APPLICATION NUMBER: US/10/004,382
; CURRENT FILING DATE: 2001-10-31
; PRIOR APPLICATION NUMBER: US 60/244,692
; PRIOR FILING DATE: 2000-10-31
; NUMBER OF SEQ ID NOS: 35
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 6
; LENGTH: 2648
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-004-382-6

```

```

Query Match          100.0%; Score 468; DB 8; Length 2648;
Best Local Similarity 100.0%; Pred. No. 2.4e-231;
Matches 468; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

QY 1 atggtcctagtgaggcgctgtgtctccgaatgaagactcgcatggaagtgttat 60
   |||
DB 62 atggtcctagtgaggcgctgtgtctccgaatgaagactcgcatggaagtgttat 121
   |||
QY 61 ctgcataataaccagcttctagcttggaaggctgcagtgcaagggaaggtcattaaagttaa 120
   |||
DB 122 ctgcataataaccagcttctagcttggaaggctgcagtgcaagggaaggtcattaaagttaa 181
   |||
QY 121 gagatcagctgtgtcccaatcggtgtgctggaatgagcagctgtcccgctcatctgggt 180
   |||
DB 182 gagatcagctgtgtcccaatcggtgtgctggaatgagcagctgtcccgctcatctgggt 241
   |||
QY 181 gtccaggtggaagcagctgtctatctgtggtggaaggaagcagctctaaacta 240
   |||
DB 242 gtccaggtggaagcagctgtctatctgtggtggaaggaagcagctctaaacta 301
   |||
QY 241 gagcaggtgaacatcagagctctatctgtgtgccaaggaatccagagcttaccctc 300
   |||
DB 302 gagcaggtgaacatcagagctctatctgtgtgccaaggaatccagagcttaccctc 361
   |||
QY 301 tacccggggagacatggggtccctccacagcttcagagtcggcgctcaccggggtgttc 360
   |||
DB 362 tacccggggagacatggggtccctccacagcttcagagtcggcgctcaccggggtgttc 421
   |||
QY 361 ctgtgacagctgtcctgaagcagatcagctgtcagagctcaccagcttcccgagaatgt 420
   |||
DB 422 ctgtgacagctgtcctgaagcagatcagctgtcagagctcaccagcttcccgagaatgt 481
   |||
QY 421 ggcctggaatgcccccatcacagagcttctactccagcagtgtagtag 468
   |||
DB 482 ggcctggaatgcccccatcacagagcttctactccagcagtgtagtag 529
   |||

```

```

RESULT 6
US-09-898-888A-30741
; Sequence 30741, Application US/09898888A
; GENERAL INFORMATION:
; APPLICANT: Hysq, Inc.
; TITLE OF INVENTION: NOVEL CONTIGS OBTAINED FROM VARIOUS CDNA
; FILE REFERENCE: 20411-748CON1
; CURRENT APPLICATION NUMBER: US/09/898,888A
; CURRENT FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: US/09/340,623
; PRIOR FILING DATE: 1999-06-28
; PRIOR APPLICATION NUMBER: US 09/205,070
; PRIOR FILING DATE: 1998-12-03
; NUMBER OF SEQ ID NOS: 45207
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 30741
; LENGTH: 373
; TYPE: DNA
; ORGANISM: Homo sapiens
; REPAIR:
; NAME/KEY: misc-feature
; LOCATION: (1)...(373)
; OTHER INFORMATION: n = A,T,C or G
US-09-898-888A-30741

```

```

Query Match          52.6%; Score 246; DB 6; Length 373;
Best Local Similarity 100.0%; Pred. No. 8.8e-117;
Matches 246; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

QY 223 gagcagcttaacactagagcagtggaacatcagagctatctgtgtccagaagaa 282
   |||
DB 82 gagcagcttaacactagagcagtggaacatcagagctatctgtgtccagaagaa 141
   |||
QY 283 tccaagagcttacccttaccgcgaggacatggggtcaccctcagctcagctcgt 342
   |||

```

```
Db 142 tccaaagacttcaaccttctacccggcggaacatgggctccacctccagcttcgagctgct 201
Oy 343 gctacccgggctgtctctctgtgcaaggctgctgaagccgatacagctgtcagactaac 402
Db 202 gctacccgggctgtctctctgtgcaaggctgctgaagccgatacagctgtcagactaac 261
Oy 403 cagctcccggaatggtggtgtgtaatgcccccatcacagacttctacttcagagatgt 462
Db 262 cagctcccggaatggtggtgtgtaatgcccccatcacagacttctacttcagagatgt 321
Oy 463 gactag 468
Db 322 gactag 327
```

```
RESULT 7
US-10-004-382-1
: Sequence 1, Application US/10004382
: GENERAL INFORMATION:
: APPLICANT: Mize, Nancy K.
: APPLICANT: Haley-Vicente, Dana A.
: TITLE OF INVENTION: INTERLEUKIN-1 RECEPTOR ANTAGONIST AND USES THEREOF
: FILE REFERENCE: 28110/36884A
: CURRENT APPLICATION NUMBER: US/10/004,382
: PRIOR FILING DATE: 2001-10-31
: PRIOR APPLICATION NUMBER: US 60/244,692
: PRIOR FILING DATE: 2000-10-31
: NUMBER OF SEQ ID NOS: 35
: SOFTWARE: FastSeq for Windows Version 3.0
: SEQ ID NO 1
: LENGTH: 357
: TYPE: DNA
: ORGANISM: Homo sapiens
: FEATURE:
: NAME/KEY: misc_feature
: LOCATION: (1)...(357)
: OTHER INFORMATION: n = A,T,C or G
US-10-004-382-1
```

```
Query Match 51.9%; Score 243; DB 8; Length 357;
Best Local Similarity 100.0%; Pred. No. 3.1e-115;
Matches 243; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 226 ccgactctaacactagagccagtgacaatcatgtgactctatctgtgtgccaagaaatcc 285
Db 1 ccgactctaacactagagccagtgacaatcatgtgactctatctgtgtgccaagaaatcc 60
Oy 286 aagagcttcaaccttctacccggcggaacatgggctccacctccagcttcgagctgctg 345
Db 61 aagagcttcaaccttctacccggcggaacatgggctccacctccagcttcgagctgctg 120
Oy 346 taccgggctgtctctctgtgcaaggctgctgaagccgatacagctgtcagactaacccag 405
Db 121 taccgggctgtctctctgtgcaaggctgctgaagccgatacagctgtcagactaacccag 180
Oy 406 ctcccggaatggtggtgtgtaatgcccccatcacagacttctacttcagagatgtgac 465
Db 181 ctcccggaatggtggtgtgtaatgcccccatcacagacttctacttcagagatgtgac 240
Oy 466 tag 468
Db 241 tag 243
```

```
RESULT 8
US-10-004-382-2
: Sequence 2, Application US/10004382
: GENERAL INFORMATION:
: APPLICANT: Mize, Nancy K.
: APPLICANT: Haley-Vicente, Dana A.
: TITLE OF INVENTION: INTERLEUKIN-1 RECEPTOR ANTAGONIST AND USES THEREOF
```

```
: FILE REFERENCE: 28110/36884A
: CURRENT APPLICATION NUMBER: US/10/004,382
: CURRENT FILING DATE: 2001-10-31
: PRIOR APPLICATION NUMBER: US 60/244,692
: PRIOR FILING DATE: 2000-10-31
: NUMBER OF SEQ ID NOS: 35
: SOFTWARE: FastSeq for Windows Version 3.0
: SEQ ID NO 2
: LENGTH: 985
: TYPE: DNA
: ORGANISM: Homo sapiens
: FEATURE:
: NAME/KEY: CDS
: LOCATION: (1)...(240)
US-10-004-382-2
```

```
Query Match 51.9%; Score 243; DB 8; Length 985;
Best Local Similarity 100.0%; Pred. No. 3.1e-115;
Matches 243; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 226 ccgactctaacactagagccagtgacaatcatgtgactctatctgtgtgccaagaaatcc 285
Db 1 ccgactctaacactagagccagtgacaatcatgtgactctatctgtgtgccaagaaatcc 60
Oy 286 aagagcttcaaccttctacccggcggaacatgggctccacctccagcttcgagctgctg 345
Db 61 aagagcttcaaccttctacccggcggaacatgggctccacctccagcttcgagctgctg 120
Oy 346 taccgggctgtctctctgtgcaaggctgctgaagccgatacagctgtcagactaacccag 405
Db 121 taccgggctgtctctctgtgcaaggctgctgaagccgatacagctgtcagactaacccag 180
Oy 406 ctcccggaatggtggtgtgtaatgcccccatcacagacttctacttcagagatgtgac 465
Db 181 ctcccggaatggtggtgtgtaatgcccccatcacagacttctacttcagagatgtgac 240
Oy 466 tag 468
Db 241 tag 243
```

```
RESULT 9
US-10-004-382-7
: Sequence 7, Application US/10004382
: GENERAL INFORMATION:
: APPLICANT: Mize, Nancy K.
: APPLICANT: Haley-Vicente, Dana A.
: TITLE OF INVENTION: INTERLEUKIN-1 RECEPTOR ANTAGONIST AND USES THEREOF
: FILE REFERENCE: 28110/36884A
: CURRENT APPLICATION NUMBER: US/10/004,382
: PRIOR FILING DATE: 2001-10-31
: PRIOR APPLICATION NUMBER: US 60/244,692
: PRIOR FILING DATE: 2000-10-31
: NUMBER OF SEQ ID NOS: 35
: SOFTWARE: FastSeq for Windows Version 3.0
: SEQ ID NO 7
: LENGTH: 5751
: TYPE: DNA
: ORGANISM: Homo sapiens
: FEATURE:
: NAME/KEY: misc_feature
: LOCATION: (1)...(5751)
: OTHER INFORMATION: n = A,T,C or G
US-10-004-382-7
```

```
Query Match 48.5%; Score 227; DB 8; Length 5751;
Best Local Similarity 100.0%; Pred. No. 5.6e-107;
Matches 227; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 242 agccagtgacaatcatgtgactctatctgtgtgccaagaaatccagacttctct 301
Db 1 agccagtgacaatcatgtgactctatctgtgtgccaagaaatccagacttctct 301
```

Db 4073 agccagtgacatcatgagctctatctgtgtgccaaaggaatccaagagcttcacctct 4132
QY 302 accggcgggagacatggggctcacccttcagcttcgagctgcagctccggggtgttcc 361
Db 4133 accggcgggagacatggggctcacccttcagcttcgagctgcagctccggggtgttcc 4192
QY 362 tgtgcacggtgcttgaaagccgatacagctcagctgtcagactcaaccagcttcccgagaatgtg 421
Db 4193 tgtgcacggtgcttgaaagccgatacagctcagctgtcagactcaaccagcttcccgagaatgtg 4252
QY 422 gcttgaatgcccccatcacagacttctacttccagcagtgtgactag 468
Db 4253 gcttgaatgcccccatcacagacttctacttccagcagtgtgactag 4299

RESULT 10
US-10-004-382-8
; Sequence 8, Application US/10004382
; GENERAL INFORMATION:
; APPLICANT: Mize, Nancy K.
; APPLICANT: Haley-Vicente, Dana A.
; TITLE OF INVENTION: INTERLEUKIN-1 RECEPTOR ANTAGONIST AND USES THEREOF
; FILE REFERENCE: 28110/36884A
; CURRENT APPLICATION NUMBER: US/10/004,382
; PRIOR FILING DATE: 2001-10-31
; PRIOR APPLICATION NUMBER: US 60/244,692
; NUMBER OF SEQ ID NOS: 35
; SOFTWARE: FASTSEQ for Windows Version 3.0
; SEQ ID NO 8
; LENGTH: 7605
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-004-382-8

Query Match 48.5%; Score 227; DB 8; Length 7605;
Best Local Similarity 100.0%; Pred. No. 5,6e-107;
Matches 227; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 242 agccagtgacatcatgagctctatctgtgtgccaaaggaatccaagagcttcacctct 301
Db 5105 agccagtgacatcatgagctctatctgtgtgccaaaggaatccaagagcttcacctct 5164
QY 302 accggcgggagacatggggctcacccttcagcttcgagctgcagctccggggtgttcc 361
Db 5165 accggcgggagacatggggctcacccttcagcttcgagctgcagctccggggtgttcc 5224
QY 362 tgtgcacggtgcttgaaagccgatacagctcagctgtcagactcaaccagcttcccgagaatgtg 421
Db 5225 tgtgcacggtgcttgaaagccgatacagctcagctgtcagactcaaccagcttcccgagaatgtg 5284
QY 422 gcttgaatgcccccatcacagacttctacttccagcagtgtgactag 468
Db 5285 gcttgaatgcccccatcacagacttctacttccagcagtgtgactag 5331

Search completed: February 4, 2002, 15:57:16
Job time: 3981 sec

GenCore version 4.5
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OM nucleic - nucleic search, using sw model

Run on: February 4, 2002, 14:42:55 ; Search time 2084.66 Seconds
(without alignments)
3934.625 Million cell updates/sec

Title: US-09-612-921-3

Perfect score: 468
Sequence: 1 atgcttcctgagtggtgagcgtc.....acttcacagtgtagtag 468

Scoring table: OLIGO_NUC
Gapop 60.0 , Gapext 60.0

Searched: 17159718 seqs, 8763200856 residues

Word size: 30

Total number of hits satisfying chosen parameters: 63

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Listing first 45 summaries

Database: Pending_Patents_NA_Main:*

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1: /cgn2_6/prodata/2/pna/PCrus.COMB.seq:*
2: /cgn2_6/prodata/2/pna/US06.COMB.seq:*
3: /cgn2_6/prodata/2/pna/US07.COMB.seq:*
4: /cgn2_6/prodata/2/pna/US08.COMB.seq:*
5: /cgn2_6/prodata/2/pna/US081.COMB.seq:*
6: /cgn2_6/prodata/2/pna/US082.COMB.seq:*
7: /cgn2_6/prodata/2/pna/US083.COMB.seq:*
8: /cgn2_6/prodata/2/pna/US084.COMB.seq:*
9: /cgn2_6/prodata/2/pna/US085.COMB.seq:*
10: /cgn2_6/prodata/2/pna/US086.COMB.seq:*
11: /cgn2_6/prodata/2/pna/US087.COMB.seq:*
12: /cgn2_6/prodata/2/pna/US088.COMB.seq:*
13: /cgn2_6/prodata/2/pna/US089.COMB.seq:*
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20: /cgn2_6/prodata/2/pna/US095B.COMB.seq:*
21: /cgn2_6/prodata/2/pna/US095C.COMB.seq:*
22: /cgn2_6/prodata/2/pna/US095D.COMB.seq:*
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24: /cgn2_6/prodata/2/pna/US096B.COMB.seq:*
25: /cgn2_6/prodata/2/pna/US096C.COMB.seq:*
26: /cgn2_6/prodata/2/pna/US096D.COMB.seq:*
27: /cgn2_6/prodata/2/pna/US096E.COMB.seq:*
28: /cgn2_6/prodata/2/pna/US097A.COMB.seq:*
29: /cgn2_6/prodata/2/pna/US097B.COMB.seq:*
30: /cgn2_6/prodata/2/pna/US097C.COMB.seq:*
31: /cgn2_6/prodata/2/pna/US098.COMB.seq:*
32: /cgn2_6/prodata/2/pna/US099.COMB.seq:*
33: /cgn2_6/prodata/2/pna/US6000.COMB.seq:*
34: /cgn2_6/prodata/2/pna/US6001.COMB.seq:*
35: /cgn2_6/prodata/2/pna/US6002.COMB.seq:*
36: /cgn2_6/prodata/2/pna/US6003.COMB.seq:*
37: /cgn2_6/prodata/2/pna/US6004.COMB.seq:*
38: /cgn2_6/prodata/2/pna/US6005.COMB.seq:*
39: /cgn2_6/prodata/2/pna/US6006.COMB.seq:*
40: /cgn2_6/prodata/2/pna/US6007.COMB.seq:*
41: /cgn2_6/prodata/2/pna/US6008.COMB.seq:*
42: /cgn2_6/prodata/2/pna/US6009.COMB.seq:*
43: /cgn2_6/prodata/2/pna/US6010.COMB.seq:*
```

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	468	100.0	468	23	US-09-612-921-3
2	468	100.0	766	18	US-09-416-514-1
3	468	100.0	794	15	PCT-US99-2353-1
4	468	100.0	794	15	US-09-169-745-25
5	468	100.0	1282	16	US-09-229-591-4
6	468	100.0	1282	17	US-09-348-942-4
7	468	100.0	1282	18	US-09-457-626-4
8	468	100.0	1282	19	US-09-523-552-4
9	468	100.0	1282	22	US-09-576-008-4
10	468	100.0	1282	57	US-09-244-692-6
11	468	100.0	1323	15	US-09-131-263-4
12	468	100.0	1323	15	US-09-131-263-4
13	468	100.0	1323	17	US-09-369-693-4
14	468	100.0	2563	23	US-09-617-720-1
15	468	100.0	2648	18	US-09-348-942-6
16	468	100.0	2648	19	US-09-457-626-6
17	468	100.0	2648	22	US-09-523-552-6
18	468	100.0	2648	22	US-09-576-008-6
19	468	100.0	2648	57	US-09-244-692-6
20	468	100.0	2698	17	US-09-317-511C-907
21	465	99.4	465	15	US-09-131-263-6
22	465	99.4	465	15	US-09-131-263-6
23	465	99.4	465	17	US-09-369-693-6
24	465	99.4	465	23	US-09-617-720-10
25	456	97.4	2487	17	US-09-369-693-9
26	410	87.6	486	18	US-09-432-241A-3424
27	410	87.6	486	25	US-09-640-676-73
28	354	75.6	449	18	US-09-432-241A-2798
29	320	68.4	480	18	US-09-432-241A-834
30	315	67.3	378	25	US-09-652-127-1182
31	246	52.6	373	16	US-09-205-070-30741
32	246	52.6	373	17	US-09-340-623-30741
33	246	52.6	373	31	US-09-898-888-30741
34	243	51.9	357	14	US-09-055-010-1
35	243	51.9	357	16	US-09-229-591-1
36	243	51.9	357	17	US-09-348-942-1
37	243	51.9	357	18	US-09-457-626-1
38	243	51.9	357	19	US-09-515-128-9783
39	243	51.9	357	19	US-09-523-552-1
40	243	51.9	357	22	US-09-576-008-1
41	243	51.9	357	57	US-09-244-692-1

42	243	51.9	985	14	US-09-055-010-2	Sequence 2, Appli
43	243	51.9	985	16	US-09-229-591-2	Sequence 2, Appli
44	243	51.9	985	17	US-09-348-942-2	Sequence 2, Appli
45	243	51.9	985	18	US-09-457-626-2	Sequence 2, Appli

ALIGNMENTS

RESULT 1

```
US-09-612-921-3
; Sequence 3, Application US/09612921
; GENERAL INFORMATION:
; APPLICANT: Sims, John E.
; TITLE OF INVENTION: IL-1 delta DNA and Polypeptides
; FILE REFERENCE: 0360, 0047-00304
; CURRENT APPLICATION NUMBER: US/09/612,921
; CURRENT FILING DATE: 2000-07-10
; PRIOR APPLICATION NUMBER: 60/071,074
; PRIOR FILING DATE: 1998-01-09
; PRIOR APPLICATION NUMBER: 60/087,393
; PRIOR FILING DATE: 1998-06-01
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: Patentln Ver. 2.0
; SEQ ID NO 3
; LENGTH: 468
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-612-921-3
```

Query Match 100.0%; Score 468; DB 23; Length 468;

Best Local Similarity 100.0%; Pred. No. 3.5e-236; Matches 468; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```
QY 1 atggtctcgtgagtggtggtggtcttcgaatgaagactcggcatgaagtgtttat 60
DB 1 atggtctcgtgagtggtggtggtcttcgaatgaagactcggcatgaagtgtttat 60
QY 61 ctgcataataacacagcttctagctggaagggtgcatagcagggaaggtcattaaagttaa 120
DB 61 ctgcataataacacagcttctagctggaagggtgcatagcagggaaggtcattaaagttaa 120
QY 121 gagatcagctgtgtcccaatcgctgctggaatgcagcagctgtcccgctcatcctgggt 180
DB 121 gagatcagctgtgtcccaatcgctgctggaatgcagcagctgtcccgctcatcctgggt 180
QY 181 gtccaggtgtggaagccagctgtcctgtcattgtgggtggaagagccgaacttaacacta 240
DB 181 gtccaggtgtggaagccagctgtcctgtcattgtgggtggaagagccgaacttaacacta 240
QY 241 gagcagtgaaacatcatgagctctactctgtgtgccaagaataccaaggctcaccttc 300
DB 241 gagcagtgaaacatcatgagctctactctgtgtgccaagaataccaaggctcaccttc 300
QY 301 tacccgaggaacatgaggtgctacccacagcttcgaatcgtctgctcctacccgggtgttc 360
DB 301 tacccgaggaacatgaggtgctacccacagcttcgaatcgtctgctcctacccgggtgttc 360
QY 361 ctgtgcaggtgtcctgaaagccagatcagcctgtcagaactaacacagcttcocgaagaatgt 420
DB 361 ctgtgcaggtgtcctgaaagccagatcagcctgtcagaactaacacagcttcocgaagaatgt 420
QY 421 ggctggaatgcccccatcacagacttactcttcacagatgtgtacag 468
DB 421 ggctggaatgcccccatcacagacttactcttcacagatgtgtacag 468
```

RESULT 2

```
US-09-416-514-1
; Sequence 1, Application US/09416514
; GENERAL INFORMATION:
; APPLICANT: Sheppard, Paul O.
```

```
; APPLICANT: West, Robert R.
; APPLICANT: Clegg, Christopher H.
; TITLE OF INVENTION: INTERLEUKIN-1 HOMOLOG
; FILE REFERENCE: 98-38
; CURRENT APPLICATION NUMBER: US/09/416,514
; CURRENT FILING DATE: 1999-10-08
; PRIOR APPLICATION NUMBER: US 60/103,512
; PRIOR FILING DATE: 1998-10-08
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1
; LENGTH: 766
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (72)...(539)
US-09-416-514-1
```

Query Match 100.0%; Score 468; DB 18; Length 766;

Best Local Similarity 100.0%; Pred. No. 3.5e-236; Matches 468; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 1 atggtctcgtgagtggtggtggtcttcgaatgaagactcggcatgaagtgtttat 60
DB 72 atggtctcgtgagtggtggtggtcttcgaatgaagactcggcatgaagtgtttat 131
QY 61 ctgcataataacacagcttctagctggaagggtgcatagcagggaaggtcattaaagttaa 120
DB 132 ctgcataataacacagcttctagctggaagggtgcatagcagggaaggtcattaaagttaa 191
QY 121 gagatcagctgtgtcccaatcgctgctggaatgcagcagctgtcccgctcatcctgggt 180
DB 192 gagatcagctgtgtcccaatcgctgctggaatgcagcagctgtcccgctcatcctgggt 251
QY 181 gtccaggtgtggaagccagctgtcctgtcattgtgggtggaagagccgaacttaacacta 240
DB 252 gtccaggtgtggaagccagctgtcctgtcattgtgggtggaagagccgaacttaacacta 311
QY 241 gagcagtgaaacatcatgagctctactctgtgtgccaagaataccaaggctcaccttc 300
DB 312 gagcagtgaaacatcatgagctctactctgtgtgccaagaataccaaggctcaccttc 371
QY 301 tacccgaggaacatgaggtgctacccacagcttcgaatcgtctgctcctacccgggtgttc 360
DB 372 tacccgaggaacatgaggtgctacccacagcttcgaatcgtctgctcctacccgggtgttc 431
QY 361 ctgtgcaggtgtcctgaaagccagatcagcctgtcagaactaacacagcttcocgaagaatgt 420
DB 432 ctgtgcaggtgtcctgaaagccagatcagcctgtcagaactaacacagcttcocgaagaatgt 491
QY 421 ggctggaatgcccccatcacagacttactcttcacagatgtgtacag 468
DB 492 ggctggaatgcccccatcacagacttactcttcacagatgtgtacag 539
```

RESULT 3

```
PCT-US99-23533-1
; Sequence 1, Application PCT/US9923533
; GENERAL INFORMATION:
; APPLICANT: Zymogenetics, Inc.
; TITLE OF INVENTION: INTERLEUKIN-1 HOMOLOG
; FILE REFERENCE: 98-38PC
; CURRENT APPLICATION NUMBER: PCT/US99/23533
; CURRENT FILING DATE: 1999-10-08
; EARLIER APPLICATION NUMBER: US 09/169,745
; EARLIER FILING DATE: 1998-10-08
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1
; LENGTH: 766
; TYPE: DNA
```


ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (72)...(539)
PCT-US99-23533-1

Query Match
Best Local Similarity 100.0%; Score 468; DB 1; Length 794;
Matches 468; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 atgtccctgagtgaggcgctgtgtctccgaatgaagagcctggcattgaagtgctttat 60
Db 72 atgtccctgagtgaggcgctgtgtctccgaatgaagagcctggcattgaagtgctttat 131
Qy 61 ctgtcataaaccagcttctcagctgagggcgtgcctgcaggaagagtgatttaaaagttaa 120
Db 132 ctgtcataaaccagcttctcagctgagggcgtgcctgcaggaagagtgatttaaaagttaa 191
Qy 121 gagatcagcgtgtgtcccaatcgtgtgtgtgagtgccagcctgtcccgctcatccttggt 180
Db 192 gagatcagcgtgtgtcccaatcgtgtgtgtgagtgccagcctgtcccgctcatccttggt 251
Qy 181 gtccagggtggaagcagtgctgtcatgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgt 240
Db 252 gtccagggtggaagcagtgctgtcatgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgt 311
Qy 241 gagcagtggaataatcatgtgagctctatcttgtgtccaaaggaatccaaagagcttaact 300
Db 312 gagcagtggaataatcatgtgagctctatcttgtgtccaaaggaatccaaagagcttaact 371
Qy 301 tacggcgagacatgagggtcaccctcagctcagctcagctcagctcagctcagctcagct 360
Db 372 tacggcgagacatgagggtcaccctcagctcagctcagctcagctcagctcagctcagct 431
Qy 361 ctgtgacagtggtcgtgaagcgcagatcagctgtcagagcttaaccagcttcccgagaatgt 420
Db 432 ctgtgacagtggtcgtgaagcgcagatcagctgtcagagcttaaccagcttcccgagaatgt 491
Qy 421 ggtcgtgaatgcccccatcacagacttctacttccagcagtgtagtag 468
Db 492 ggtcgtgaatgcccccatcacagacttctacttccagcagtgtagtag 539

RESULT 4

US-09-169-745-25
Sequence 25, Application US/09169745
GENERAL INFORMATION:
APPLICANT: Sheppard, Paul O.
APPLICANT: West, Robert R.
APPLICANT: Clegg, Christopher H.
TITLE OF INVENTION: INTERLEUKIN-1 HOMOLOG
FILE REFERENCE: 98-38X2
CURRENT APPLICATION NUMBER: US/09/169,745
CURRENT FILING DATE: 1998-10-08
NUMBER OF SEQ ID NOS: 29
SOFTWARE: FASTSEQ for Windows Version 3.0
SEQ ID NO 25
LENGTH: 766
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (72)...(539)
US-09-169-745-25

Query Match
Best Local Similarity 100.0%; Score 468; DB 15; Length 794;
Matches 468; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 atgtccctgagtgaggcgctgtgtctccgaatgaagagcctggcattgaagtgctttat 60
Db 15 atgtccctgagtgaggcgctgtgtctccgaatgaagagcctggcattgaagtgctttat 131

Db 72 atgtccctgagtgaggcgctgtgtctccgaatgaagagcctggcattgaagtgctttat 131
Qy 61 ctgtcataaaccagcttctcagctgagggcgtgcctgcaggaagagtgatttaaaagttaa 120
Db 132 ctgtcataaaccagcttctcagctgagggcgtgcctgcaggaagagtgatttaaaagttaa 191
Qy 121 gagatcagcgtgtgtcccaatcgtgtgtgtgagtgccagcctgtcccgctcatccttggt 180
Db 192 gagatcagcgtgtgtcccaatcgtgtgtgtgagtgccagcctgtcccgctcatccttggt 251
Qy 181 gtccagggtggaagcagtgctgtcatgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgt 240
Db 252 gtccagggtggaagcagtgctgtcatgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgt 311
Qy 241 gagcagtggaataatcatgtgagctctatcttgtgtccaaaggaatccaaagagcttaact 300
Db 312 gagcagtggaataatcatgtgagctctatcttgtgtccaaaggaatccaaagagcttaact 371
Qy 301 tacggcgagacatgagggtcaccctcagctcagctcagctcagctcagctcagctcagct 360
Db 372 tacggcgagacatgagggtcaccctcagctcagctcagctcagctcagctcagctcagct 431
Qy 361 ctgtgacagtggtcgtgaagcgcagatcagctgtcagagcttaaccagcttcccgagaatgt 420
Db 432 ctgtgacagtggtcgtgaagcgcagatcagctgtcagagcttaaccagcttcccgagaatgt 491
Qy 421 ggtcgtgaatgcccccatcacagacttctacttccagcagtgtagtag 468
Db 492 ggtcgtgaatgcccccatcacagacttctacttccagcagtgtagtag 539

RESULT 5

US-09-229-591-4
Sequence 4, Application US/09229591
GENERAL INFORMATION:
APPLICANT: Hyseq, Inc.
TITLE OF INVENTION: A NOVEL INTERLEUKIN-1 RECEPTOR
TITLE OF INVENTION: ANTAGONIST OBTAINED FROM A CDNA LIBRARY OF FETAL
FILE REFERENCE: 20411-743CON1
CURRENT APPLICATION NUMBER: US/09/229,591
CURRENT FILING DATE: 1999-01-13
EARLIER APPLICATION NUMBER: US 09/099,818
EARLIER FILING DATE: 1998-06-19
EARLIER APPLICATION NUMBER: US 09/082,364
EARLIER FILING DATE: 1998-05-20
EARLIER APPLICATION NUMBER: US 09/079,909
EARLIER FILING DATE: 1998-05-15
EARLIER APPLICATION NUMBER: US 09/055,010
EARLIER FILING DATE: 1998-04-03
EARLIER APPLICATION NUMBER: US 09/034,341
EARLIER FILING DATE: 1998-02-13
NUMBER OF SEQ ID NOS: 37
SOFTWARE: FASTSEQ for Windows Version 3.0
SEQ ID NO 4
LENGTH: 1282
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (73)...(537)
US-09-229-591-4

Query Match
Best Local Similarity 100.0%; Score 468; DB 16; Length 1282;
Matches 468; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 atgtccctgagtgaggcgctgtgtctccgaatgaagagcctggcattgaagtgctttat 60
Db 73 atgtccctgagtgaggcgctgtgtctccgaatgaagagcctggcattgaagtgctttat 132
Qy 61 ctgtcataaaccagcttctcagctgagggcgtgcctgcaggaagagtgatttaaaagttaa 120

Db 133 cgcgaataaaccagcttctagctggaaggcgtgcacagcagggaaggtcattaaaggtgaa 192
Qy 121 gagatcagctgtgtccccaatcgtgtgctgagatgcagcctgtcccgatcatcctggat 180
Db 193 gagatcagctgtgtccccaatcgtgtgctgagatgcagcctgtcccgatcatcctggat 252
Qy 181 gtcacaggtggaagccagctgtcattctgtgggtgggcaagagccagcttaaacata 240
Db 253 gtcacaggtggaagccagctgtcattctgtgggtgggcaagagccagcttaaacata 312
Qy 241 gagccagtgaacatcatgagctctactctgtgtgccaagaaatccaaagctcaccttc 300
Db 313 gagccagtgaacatcatgagctctactctgtgtgccaagaaatccaaagctcaccttc 372
Qy 301 tacccggtggaacatgagctcactcagcttcagatcggtcgctcaccggcgctgttc 360
Db 373 tacccggtggaacatgagctcactcagcttcagatcggtcgctcaccggcgctgttc 432
Qy 361 ctgtgacaggtgtcctgaagccgatacagctgttcagactcacccagcttcagggaatggt 420
Db 433 ctgtgacaggtgtcctgaagccgatacagctgttcagactcacccagcttcagggaatggt 492
Qy 421 ggcctggaatgcccccatcacagactctactctcagcagtgtagctag 468
Db 493 ggcctggaatgcccccatcacagactctactctcagcagtgtagctag 540

RESULT 6
US-09-348-942-4
Sequence 4, Application US/09348942

GENERAL INFORMATION:
APPLICANT: John Ford
TITLE OF INVENTION: A NOVEL INTERLEUKIN-1 RECEPTOR ANTAGONIST AND USES THEREOF
FILE REFERENCE: 28110/35801
CURRENT FILING DATE: 1999-07-07
EARLIER APPLICATION NUMBER: PCT/US99/04291
EARLIER FILING DATE: 1999-04-05
EARLIER APPLICATION NUMBER: US 09/287,210
EARLIER FILING DATE: 1999-04-05
EARLIER APPLICATION NUMBER: US 09/251,370
EARLIER FILING DATE: 1999-02-17
EARLIER APPLICATION NUMBER: US 09/229,591
EARLIER FILING DATE: 1999-01-13
EARLIER APPLICATION NUMBER: US 09/127,698
EARLIER FILING DATE: 1998-07-31
EARLIER APPLICATION NUMBER: US 09/099,818
EARLIER FILING DATE: 1998-06-19
EARLIER APPLICATION NUMBER: US 09/082,364
EARLIER FILING DATE: 1998-05-20
EARLIER APPLICATION NUMBER: US 09/079,909
EARLIER FILING DATE: 1998-05-15
EARLIER APPLICATION NUMBER: US 09/055,010
EARLIER FILING DATE: 1998-04-03
NUMBER OF SEQ ID NOS: 30
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 4
LENGTH: 1282
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (73)...(537)
US-09-348-942-4

Query Match 100.0%; Score 468; DB 17; Length 1282;
Best Local Similarity 100.0%; Pred. No. 3.6e-236;
Matches 468; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
1 atggtctcagtgaggcgctgtgcttcgaatgaagactcggcagctgaagtgtcttat 60
|||||

Db 73 atggtctcagtgaggcgctgtgcttcgaatgaagactcggcagctgaagtgtcttat 132
Qy 61 cgcgaataaaccagcttcttagctggaaggcgtgcacagcagggaaggtcattaaaggtgaa 120
Db 133 cgcgaataaaccagcttcttagctggaaggcgtgcacagcagggaaggtcattaaaggtgaa 192
Qy 121 gagatcagctgtgtccccaatcgtgtgctgagatgcagcctgtcccgatcatcctggat 180
Db 193 gagatcagctgtgtccccaatcgtgtgctgagatgcagcctgtcccgatcatcctggat 252
Qy 181 gtcacaggtggaagccagctgtcattctgtgggtgggcaagagccagcttaaacata 240
Db 253 gtcacaggtggaagccagctgtcattctgtgggtgggcaagagccagcttaaacata 312
Qy 241 gagccagtgaacatcatgagctctactctgtgtgccaagaaatccaaagctcaccttc 300
Db 313 gagccagtgaacatcatgagctctactctgtgtgccaagaaatccaaagctcaccttc 372
Qy 301 tacccggtggaacatgagctcactcagcttcagatcggtcgctcaccggcgctgttc 360
Db 373 tacccggtggaacatgagctcactcagcttcagatcggtcgctcaccggcgctgttc 432
Qy 361 ctgtgacaggtgtcctgaagccgatacagctgttcagactcacccagcttcagggaatggt 420
Db 433 ctgtgacaggtgtcctgaagccgatacagctgttcagactcacccagcttcagggaatggt 492
Qy 421 ggcctggaatgcccccatcacagactctactctcagcagtgtagctag 468
Db 493 ggcctggaatgcccccatcacagactctactctcagcagtgtagctag 540

RESULT 7
US-09-457-626-4
Sequence 4, Application US/09457626

GENERAL INFORMATION:
APPLICANT: Ford, John
TITLE OF INVENTION: A NOVEL INTERLEUKIN-1 RECEPTOR ANTAGONIST AND USES THEREOF
FILE REFERENCE: 28110/36010
CURRENT FILING DATE: 1999-12-08
EARLIER APPLICATION NUMBER: US 09/457,626
EARLIER FILING DATE: 1999-12-08
EARLIER APPLICATION NUMBER: US 09/417,455
EARLIER FILING DATE: 1999-10-13
EARLIER APPLICATION NUMBER: US 09/348,942
EARLIER FILING DATE: 1999-07-07
EARLIER APPLICATION NUMBER: PCT/US99/04291
EARLIER FILING DATE: 1999-04-05
EARLIER APPLICATION NUMBER: US 09/287,210
EARLIER FILING DATE: 1999-04-05
EARLIER APPLICATION NUMBER: US 09/251,370
EARLIER FILING DATE: 1999-02-17
EARLIER APPLICATION NUMBER: US 09/229,591
EARLIER FILING DATE: 1999-01-13
EARLIER APPLICATION NUMBER: US 09/127,698
EARLIER FILING DATE: 1998-07-31
EARLIER APPLICATION NUMBER: US 09/099,818
EARLIER FILING DATE: 1998-06-19
EARLIER APPLICATION NUMBER: US 09/082,364
EARLIER FILING DATE: 1998-05-20
EARLIER APPLICATION NUMBER: US 09/079,909
EARLIER FILING DATE: 1998-05-15
EARLIER APPLICATION NUMBER: US 09/055,010
EARLIER FILING DATE: 1998-04-03
NUMBER OF SEQ ID NOS: 30
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 4
LENGTH: 1282
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (73)...(537)
US-09-457-626-4

Query Match 100.0%; Score 468; DB 18; Length 1282;
Best Local Similarity 100.0%; Pred. No. 3.6e-236;
Matches 468; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```
OY 1 atgtctcgtgagtgaggcgctgtgtctccgaatgaagagctcgacattgaaggctttat 60
Db 73 atgtccctgagtgaggcgctgtgtctccgaatgaagagctcgacattgaaggctttat 132
OY 61 ctgtcataataaccagctcttaagcttgaggcgctgcatagcaggaagatcaataagttgaa 120
Db 133 ctgtcataataaccagctcttaagcttgaggcgctgcatagcaggaagatcaataagttgaa 192
OY 121 gagatcaacgtgtgtcccaatcgtgtgctgagatgcacagctctcccccgtacatccttggt 180
Db 193 gagatcaacgtgtgtcccaatcgtgtgctgagatgcacagctctcccccgtacatccttggt 252
OY 181 gtccagggttggaagccagctgtctgtcatgtgtggtggtggtggtggtggtggtggtggtggt 240
Db 253 gtccagggttggaagccagctgtctgtcatgtgtggtggtggtggtggtggtggtggtggtggtggt 312
OY 241 gagccagtggaacatacatgtgagctctatctgtgtggtggtggtggtggtggtggtggtggtggt 300
Db 313 gagccagtggaacatacatgtgagctctatctgtgtggtggtggtggtggtggtggtggtggtggt 372
OY 301 tacccggcggagacatgaggctcaccctcagcttcgagctgagctgagctgagctgagctgagctgagct 360
Db 373 tacccggcggagacatgaggctcaccctcagcttcgagctgagctgagctgagctgagctgagctgagct 432
OY 361 ctgtgcaagtgctcgtgaagccgatacagctgtgcaagactaccacagcttcccgagaatggt 420
Db 433 ctgtgcaagtgctcgtgaagccgatacagctgtgcaagactaccacagcttcccgagaatggt 492
OY 421 ggtctgaatgcccccatcacagacttctactccagcagtgtagtag 468
Db 493 ggtctgaatgcccccatcacagacttctactccagcagtgtagtag 540
```

RESULT 8

US-09-523-552-4
Sequence 4, Application US/09523552
GENERAL INFORMATION:
APPLICANT: Ford, John
TITLE OF INVENTION: INTERLEUKIN-1 RECEPTOR ANTAGONIST AND USES THEREOF
FILE REFERENCE: 28110/36211
CURRENT APPLICATION NUMBER: US/09/523, 552
EARLIER FILING DATE: 2000-03-10
EARLIER APPLICATION NUMBER: US 09/457, 626
EARLIER FILING DATE: 1999-12-08
EARLIER APPLICATION NUMBER: US 09/417, 455
EARLIER FILING DATE: 1999-10-13
EARLIER APPLICATION NUMBER: US 09/348, 942
EARLIER FILING DATE: 1999-07-07
EARLIER APPLICATION NUMBER: PCT/US99/04291
EARLIER FILING DATE: 1999-04-05
EARLIER APPLICATION NUMBER: US 09/287, 210
EARLIER FILING DATE: 1999-04-05
EARLIER APPLICATION NUMBER: US 09/251, 370
EARLIER FILING DATE: 1999-02-17
EARLIER APPLICATION NUMBER: US 09/229, 591
EARLIER FILING DATE: 1999-01-13
EARLIER APPLICATION NUMBER: US 09/127, 698
EARLIER FILING DATE: 1998-07-31
EARLIER APPLICATION NUMBER: US 09/099, 818
EARLIER FILING DATE: 1998-06-19
EARLIER APPLICATION NUMBER: US 09/082, 364
EARLIER FILING DATE: 1998-05-20
EARLIER APPLICATION NUMBER: US 09/079, 909
EARLIER FILING DATE: 1998-05-15
EARLIER APPLICATION NUMBER: US 09/055, 010
EARLIER FILING DATE: 1998-04-03

NUMBER OF SEQ ID NOS: 30
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 4
LENGTH: 1282
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (73)...(537)
US-09-523-552-4

Query Match 100.0%; Score 468; DB 19; Length 1282;
Best Local Similarity 100.0%; Pred. No. 3.6e-236;
Matches 468; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```
OY 1 atgtctcgtgagtgaggcgctgtgtctccgaatgaagagctcgacattgaaggctttat 60
Db 73 atgtccctgagtgaggcgctgtgtctccgaatgaagagctcgacattgaaggctttat 132
OY 61 ctgtcataataaccagctcttaagcttgaggcgctgcatagcaggaagatcaataagttgaa 120
Db 133 ctgtcataataaccagctcttaagcttgaggcgctgcatagcaggaagatcaataagttgaa 192
OY 121 gagatcaacgtgtgtcccaatcgtgtgctgagatgcacagctctcccccgtacatccttggt 180
Db 193 gagatcaacgtgtgtcccaatcgtgtgctgagatgcacagctctcccccgtacatccttggt 252
OY 181 gtccagggttggaagccagctgtctgtcatgtgtggtggtggtggtggtggtggtggtggtggtggt 240
Db 253 gtccagggttggaagccagctgtctgtcatgtgtggtggtggtggtggtggtggtggtggtggtggt 312
OY 241 gagccagtggaacatacatgtgagctctatctgtgtggtggtggtggtggtggtggtggtggtggt 300
Db 313 gagccagtggaacatacatgtgagctctatctgtgtggtggtggtggtggtggtggtggtggtggt 372
OY 301 tacccggcggagacatgaggctcaccctcagcttcgagctgagctgagctgagctgagctgagctgagct 360
Db 373 tacccggcggagacatgaggctcaccctcagcttcgagctgagctgagctgagctgagctgagctgagct 432
OY 361 ctgtgcaagtgctcgtgaagccgatacagctgtgcaagactaccacagcttcccgagaatggt 420
Db 433 ctgtgcaagtgctcgtgaagccgatacagctgtgcaagactaccacagcttcccgagaatggt 492
OY 421 ggtctgaatgcccccatcacagacttctactccagcagtgtagtag 468
Db 493 ggtctgaatgcccccatcacagacttctactccagcagtgtagtag 540
```

RESULT 9

US-09-576-008-4
Sequence 4, Application US/09576008
GENERAL INFORMATION:
APPLICANT: Ford, John
APPLICANT: Ho, Alice Suk-Yue
TITLE OF INVENTION: A NOVEL INTERLEUKIN-1 RECEPTOR ANTAGONIST AND USES THEREOF
FILE REFERENCE: 28110/36456
CURRENT APPLICATION NUMBER: US/09/576, 008
EARLIER FILING DATE: 2000-05-22
EARLIER APPLICATION NUMBER: US 09/523, 552
EARLIER FILING DATE: 2000-03-10
EARLIER APPLICATION NUMBER: US 09/457, 626
EARLIER FILING DATE: 1999-12-08
EARLIER APPLICATION NUMBER: US 09/417, 455
EARLIER FILING DATE: 1999-10-13
EARLIER APPLICATION NUMBER: US 09/348, 942
EARLIER FILING DATE: 1999-07-07
EARLIER APPLICATION NUMBER: PCT/US99/04291
EARLIER FILING DATE: 1999-04-05
EARLIER APPLICATION NUMBER: US 09/287, 210
EARLIER FILING DATE: 1999-04-05
EARLIER APPLICATION NUMBER: US 09/251, 370

```

: PRIOR FILING DATE: 1999-02-17
: PRIOR APPLICATION NUMBER: US 09/229,591
: PRIOR FILING DATE: 1999-01-13
: PRIOR APPLICATION NUMBER: US 09/127,698
: PRIOR FILING DATE: 1998-07-31
: PRIOR APPLICATION NUMBER: US 09/099,818
: PRIOR FILING DATE: 1998-06-19
: PRIOR APPLICATION NUMBER: US 09/082,364
: PRIOR FILING DATE: 1998-05-20
: PRIOR APPLICATION NUMBER: US 09/079,909
: PRIOR FILING DATE: 1998-05-15
: PRIOR APPLICATION NUMBER: US 09/055,010
: PRIOR FILING DATE: 1998-04-03
: NUMBER OF SEQ ID NOS: 30
: SOFTWARE: FastSeq for Windows Version 3.0
: SEQ ID NO 4
: LENGTH: 1282
: TYPE: DNA
: ORGANISM: Homo sapiens
: FEATURE:
: NAME/KEY: CDS
: LOCATION: (73)...(537)
US-09-576-008-4
```

```

Query Match          100.0%: Score 468: DB 22: Length 1282:
Best Local Similarity 100.0%: Pred. No. 3.6e-236:
Matches 468: Conservative 0: Mismatches 0: Indels 0: Gaps 0:
```

```

QY 1 atgtctctgtagtgggagcgtgtgtcttcgaatgaagactcggcattgaaggtcttat 60
DB 73 atgtctctgtagtgggagcgtgtgtcttcgaatgaagactcggcattgaaggtcttat 132
QY 61 ctgtcataataaccagcttctagctggagggctgcatgacagggaaaggtcattaaagttgaa 120
DB 133 ctgtcataataaccagcttctagctggagggctgcatgacagggaaaggtcattaaagttgaa 192
QY 121 gagatcagctgtgtcccaatcgtgtgctggatgacagcgttcccccgtcactggtg 180
DB 193 gagatcagctgtgtcccaatcgtgtgctggatgacagcgttcccccgtcactggtg 252
QY 181 gtccaggtgtggaagcagctgtctcatgttggtgtgggacaggaagcgcacttaacacta 240
DB 253 gtccaggtgtggaagcagctgtctcatgttggtgtgggacaggaagcgcacttaacacta 312
QY 241 gagcagatgaacatactgagctctatctgtgtgccaaagaaatccaagagcttcaccttc 300
DB 313 gagcagatgaacatactgagctctatctgtgtgccaaagaaatccaagagcttcaccttc 372
QY 301 tacccggcgagacatggggctcaccctccagcttcgaagctggcctcaaccgggctgtgttc 360
DB 373 tacccggcgagacatggggctcaccctccagcttcgaagctggcctcaaccgggctgtgttc 432
QY 361 ctgttcacagtgctcctgaagccgacatcagcctgtcagaactaccacagcttcccgaaatggtc 420
DB 433 ctgttcacagtgctcctgaagccgacatcagcctgtcagaactaccacagcttcccgaaatggtc 492
QY 421 ggtctggaatgcccccatcacaagacttactcttcacagcagtgtagtag 468
DB 493 ggtctggaatgcccccatcacaagacttactcttcacagcagtgtagtag 540
```

```

RESULT 10
US-60-244-692-4
: Sequence 4, Application US/60244692
: GENERAL INFORMATION:
: APPLICANT: Mize, Nancy K.
: APPLICANT: Haley-Vicente, Dana A.
: TITLE OF INVENTION: INTERLEUKIN-1 RECEPTOR ANTAGONIST AND USES THEREOF
: FILE REFERENCE: 28110/36884
: CURRENT APPLICATION NUMBER: US/60/244,692
: CURRENT FILING DATE: 2000-10-31
: PRIOR APPLICATION NUMBER: PCT/US00/18710
```

```

: PRIOR FILING DATE: 2000-07-07
: PRIOR APPLICATION NUMBER: US 09/576,008
: PRIOR FILING DATE: 2000-05-22
: PRIOR APPLICATION NUMBER: US 09/523,552
: PRIOR FILING DATE: 2000-03-10
: PRIOR APPLICATION NUMBER: US 09/457,626
: PRIOR FILING DATE: 1999-12-08
: PRIOR APPLICATION NUMBER: US 09/417,455
: PRIOR FILING DATE: 1999-10-13
: PRIOR APPLICATION NUMBER: US 09/348,942
: PRIOR FILING DATE: 1999-07-07
: PRIOR APPLICATION NUMBER: PCT/US99/04291
: PRIOR FILING DATE: 1999-04-05
: PRIOR APPLICATION NUMBER: US 09/287,210
: PRIOR FILING DATE: 1999-04-05
: PRIOR APPLICATION NUMBER: US 09/251,370
: PRIOR FILING DATE: 1999-02-17
: PRIOR APPLICATION NUMBER: US 09/229,591
: PRIOR FILING DATE: 1999-01-13
: PRIOR APPLICATION NUMBER: US 09/127,698
: PRIOR FILING DATE: 1998-07-31
: PRIOR APPLICATION NUMBER: US 09/099,818
: PRIOR FILING DATE: 1998-06-19
: PRIOR APPLICATION NUMBER: US 09/082,364
: PRIOR FILING DATE: 1998-05-20
: PRIOR APPLICATION NUMBER: US 09/079,909
: PRIOR FILING DATE: 1998-05-15
: PRIOR APPLICATION NUMBER: US 09/055,010
: PRIOR FILING DATE: 1998-04-03
: NUMBER OF SEQ ID NOS: 35
: SOFTWARE: FastSeq for Windows Version 3.0
: SEQ ID NO 4
: LENGTH: 1282
: TYPE: DNA
: ORGANISM: Homo sapiens
: FEATURE:
: NAME/KEY: CDS
: LOCATION: (73)...(537)
US-60-244-692-4
```

```

Query Match          100.0%: Score 468: DB 57: Length 1282:
Best Local Similarity 100.0%: Pred. No. 3.6e-236:
Matches 468: Conservative 0: Mismatches 0: Indels 0: Gaps 0:
```

```

QY 1 atgtctctgtagtgggagcgtgtgtcttcgaatgaagactcggcattgaaggtcttat 60
DB 73 atgtctctgtagtgggagcgtgtgtcttcgaatgaagactcggcattgaaggtcttat 132
QY 61 ctgtcataataaccagcttctagctggagggctgcatgacagggaaaggtcattaaagttgaa 120
DB 133 ctgtcataataaccagcttctagctggagggctgcatgacagggaaaggtcattaaagttgaa 192
QY 121 gagatcagctgtgtcccaatcgtgtgctggatgacagcgttcccccgtcactggtg 180
DB 193 gagatcagctgtgtcccaatcgtgtgctggatgacagcgttcccccgtcactggtg 252
QY 181 gtccaggtgtggaagcagctgtctcatgttggtgtgggacaggaagcgcacttaacacta 240
DB 253 gtccaggtgtggaagcagctgtctcatgttggtgtgggacaggaagcgcacttaacacta 312
QY 241 gagcagatgaacatactgagctctatctgtgtgccaaagaaatccaagagcttcaccttc 300
DB 313 gagcagatgaacatactgagctctatctgtgtgccaaagaaatccaagagcttcaccttc 372
QY 301 tacccggcgagacatggggctcaccctccagcttcgaagctggcctcaaccgggctgtgttc 360
DB 373 tacccggcgagacatggggctcaccctccagcttcgaagctggcctcaaccgggctgtgttc 432
QY 361 ctgttcacagtgctcctgaagccgacatcagcctgtcagaactaccacagcttcccgaaatggtc 420
DB 433 ctgttcacagtgctcctgaagccgacatcagcctgtcagaactaccacagcttcccgaaatggtc 492
```

OY 421 ggcctgaatgcccccatcacagactctactctcagcagtgtagct 468
|||||
Db 493 ggcctgaatgcccccatcacagactctactctcagcagtgtagct 540

RESULT 11
US-09-131-263-4
; Sequence 4, Application US/09131263
; GENERAL INFORMATION:
; APPLICANT: Pan, Yang
; TITLE OF INVENTION: NOVEL MOLECULES OF THE TANGO-93-RELATED PROTEIN FAMILY
; FILE REFERENCE: 09404/054001
; CURRENT APPLICATION NUMBER: US/09/131,263
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: FASTSEQ for Windows Version 3.0
; SEQ ID NO 4
; LENGTH: 1323
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (57) ... (521)
US-09-131-263-4

Query Match 100.0%; Score 468; DB 15; Length 1323;
Best Local Similarity 100.0%; Pred. No. 3.6e-236;
Matches 468; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 atggtccctgaatgagggcgctgtgtctccgaatgaagagctcgacattgaagtgctttat 60
|||||
Db 57 atggtccctgaatgagggcgctgtgtctccgaatgaagagctcgacattgaagtgctttat 116
OY 61 ctgcataataaccagctctctagcttgaaggtctcatgcaagggaaggtcattaaagtga 120
|||||
Db 117 ctgcataataaccagctctctagcttgaaggtctcatgcaagggaaggtcattaaagtga 176
OY 121 gagatcaacgctgtgtcccaatcgtgtgctgagatgccagcctgtcccccgtatcctt 180
|||||
Db 177 gagatcaacgctgtgtcccaatcgtgtgctgagatgccagcctgtcccccgtatcctt 236
OY 181 gtccaggtggaagcagctgtctgcatgtgtggtggtggtggtggtggtggtggtggtggt 240
|||||
Db 237 gtccaggtggaagcagctgtctgcatgtgtggtggtggtggtggtggtggtggtggtggt 296
OY 241 gagcagtgaaatcatatgagctctatcttgggtgccaaggaatccaaagcttcaccttc 300
|||||
Db 297 gagcagtgaaatcatatgagctctatcttgggtgccaaggaatccaaagcttcaccttc 356
OY 301 taccggcgagatgaggtggtctacccccaagcttcgagtggtggtggtggtggtggtggtc 360
|||||
Db 357 taccggcgagatgaggtggtctacccccaagcttcgagtggtggtggtggtggtggtggtc 416
OY 361 ctgtcacagtgagcctgaagcagatcagcctgtcagaactcacccagcttcaccagaatggt 420
|||||
Db 417 ctgtcacagtgagcctgaagcagatcagcctgtcagaactcacccagcttcaccagaatggt 476
OY 421 ggcctgaatgcccccatcacagactctactctcagcagtgtagct 468
|||||
Db 477 ggcctgaatgcccccatcacagactctactctcagcagtgtagct 524

RESULT 12
US-09-131-263-4
; Sequence 4, Application US/09131263A
; GENERAL INFORMATION:
; APPLICANT: Pan, Yang
; TITLE OF INVENTION: NOVEL MOLECULES OF THE TANGO-93-RELATED PROTEIN FAMILY
; FILE REFERENCE: 07334-162001 (formerly 09404/054001)
; CURRENT APPLICATION NUMBER: US/09/131,263A

; CURRENT FILING DATE: 1998-08-07
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: FASTSEQ for Windows Version 3.0
; SEQ ID NO 4
; LENGTH: 1323
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (57) ... (521)
US-09-131-263-4

Query Match 100.0%; Score 468; DB 15; Length 1323;
Best Local Similarity 100.0%; Pred. No. 3.6e-236;
Matches 468; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 atggtccctgaatgagggcgctgtgtctccgaatgaagagctcgacattgaagtgctttat 60
|||||
Db 57 atggtccctgaatgagggcgctgtgtctccgaatgaagagctcgacattgaagtgctttat 116
OY 61 ctgcataataaccagctctctagcttgaaggtctcatgcaagggaaggtcattaaagtga 120
|||||
Db 117 ctgcataataaccagctctctagcttgaaggtctcatgcaagggaaggtcattaaagtga 176
OY 121 gagatcaacgctgtgtcccaatcgtgtgctgagatgccagcctgtcccccgtatcctt 180
|||||
Db 177 gagatcaacgctgtgtcccaatcgtgtgctgagatgccagcctgtcccccgtatcctt 236
OY 181 gtccaggtggaagcagctgtctgcatgtgtggtggtggtggtggtggtggtggtggtggt 240
|||||
Db 237 gtccaggtggaagcagctgtctgcatgtgtggtggtggtggtggtggtggtggtggtggt 296
OY 241 gagcagtgaaatcatatgagctctatcttgggtgccaaggaatccaaagcttcaccttc 300
|||||
Db 297 gagcagtgaaatcatatgagctctatcttgggtgccaaggaatccaaagcttcaccttc 356
OY 301 taccggcgagatgaggtggtctacccccaagcttcgagtggtggtggtggtggtggtggtc 360
|||||
Db 357 taccggcgagatgaggtggtctacccccaagcttcgagtggtggtggtggtggtggtggtc 416
OY 361 ctgtcacagtgagcctgaagcagatcagcctgtcagaactcacccagcttcaccagaatggt 420
|||||
Db 417 ctgtcacagtgagcctgaagcagatcagcctgtcagaactcacccagcttcaccagaatggt 476
OY 421 ggcctgaatgcccccatcacagactctactctcagcagtgtagct 468
|||||
Db 477 ggcctgaatgcccccatcacagactctactctcagcagtgtagct 524

RESULT 13
US-09-369-693-4
; Sequence 4, Application US/09369693
; GENERAL INFORMATION:
; APPLICANT: Pan, Yang
; TITLE OF INVENTION: NOVEL MOLECULES OF THE TANGO-93-RELATED PROTEIN FAMILY
; FILE REFERENCE: 07334-200001 (formerly 09404/086001)
; CURRENT APPLICATION NUMBER: US/09/369,693
; EARLIER FILING DATE: 1999-08-06
; CURRENT FILING DATE: 1999-08-06
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: FASTSEQ for Windows Version 3.0
; SEQ ID NO 4
; LENGTH: 1323
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (57) ... (521)
US-09-369-693-4

Query Match 100.0%; Score 468; DB 17; Length 1323;
Best Local Similarity 100.0%; Pred. No. 3.6e-236;
Matches 468; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 atgtctcagtgaggcgctgtgtctccgaatgaagagctggcattgaagtgtcttat 60
DB 57 atgtctcagtgaggcgctgtgtctccgaatgaagagctggcattgaagtgtcttat 116
OY 61 ctgcataataaccagctcttaagtctgaaggctgcagcagggaaggtcattaaagttgaa 120
DB 117 ctgcataataaccagctcttaagtctgaaggctgcagcagggaaggtcattaaagttgaa 176
OY 121 gagatcagtggtgtcccaatcggtgtgtcgtgatgcagcgtgtcccccgtcatccctgggt 180
DB 177 gagatcagtggtgtcccaatcggtgtgtcgtgatgcagcgtgtcccccgtcatccctgggt 236
OY 181 gtccagggtggaagccagctgtctcattgttggtgtgggcaaggagccagacttaacacta 240
DB 237 gtccagggtggaagccagctgtctcattgttggtgtgggcaaggagccagacttaacacta 296
OY 241 gagccagtgaaactcaatgtgagctctatttgtgtgccaaggaatccaaggtctcacttc 300
DB 297 gagccagtgaaactcaatgtgagctctatttgtgtgccaaggaatccaaggtctcacttc 356
OY 301 taccggcgggacatggggtcaccctccagcttcgagctgcgtccctaccgggctgtgtc 360
DB 357 taccggcgggacatggggtcaccctccagcttcgagctgcgtccctaccgggctgtgtc 416
OY 361 ctgtgcacgctgtcctgaagccgatacagctgtcagactcaaccagcttcccggaatgtgt 420
DB 417 ctgtgcacgctgtcctgaagccgatacagctgtcagactcaaccagcttcccggaatgtgt 476
OY 421 ggtctgaatgcccccaatcaagactctacttccacagtggtactag 468
DB 477 ggtctgaatgcccccaatcaagactctacttccacagtggtactag 524

RESULT 14
US-09-617-720-1
; Sequence 1, Application US/09617720
; GENERAL INFORMATION:
; APPLICANT: Nicklin, Martin
; APPLICANT: Barton, Jenny
; TITLE OF INVENTION: IL-11 GENE AND POLYPEPTIDE PRODUCTS
; FILE REFERENCE: MSA-021.01
; CURRENT APPLICATION NUMBER: US/09/617,720
; CURRENT FILING DATE: 2000-07-18
; NUMBER OF SEQ ID NOS: 54
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 2563
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-617-720-1

Query Match 100.0%; Score 468; DB 23; Length 2563;
Best Local Similarity 100.0%; Pred. No. 3.6e-236;
Matches 468; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 atgtctcagtgaggcgctgtgtctccgaatgaagagctggcattgaagtgtcttat 60
DB 30 atgtctcagtgaggcgctgtgtctccgaatgaagagctggcattgaagtgtcttat 89
OY 61 ctgcataataaccagctcttaagtctgaaggctgcagcagggaaggtcattaaagttgaa 120
DB 90 ctgcataataaccagctcttaagtctgaaggctgcagcagggaaggtcattaaagttgaa 149
OY 121 gagatcagtggtgtcccaatcggtgtgtcgtgatgcagcgtgtcccccgtcatccctgggt 180
DB 150 gagatcagtggtgtcccaatcggtgtgtcgtgatgcagcgtgtcccccgtcatccctgggt 209

OY 181 gtccagggtggaagccagctgtcattgttggtgtgggcaaggagccagacttaacacta 240
DB 210 gtccagggtggaagccagctgtcattgttggtgtgggcaaggagccagacttaacacta 269
OY 241 gagccagtgaaactcaatgtgagctctatttgtgtgccaaggaatccaaggtctcacttc 300
DB 270 gagccagtgaaactcaatgtgagctctatttgtgtgccaaggaatccaaggtctcacttc 329
OY 301 taccggcgggacatggggtcaccctccagcttcagacttcgagctgtcgtcccggtgtgtc 360
DB 330 taccggcgggacatggggtcaccctccagcttcagacttcgagctgtcgtcccggtgtgtc 389
OY 361 ctgtgcacgctgtcctgaagccagatcagcctgtcagactcaaccagcttcccggaatgtgt 420
DB 390 ctgtgcacgctgtcctgaagccagatcagcctgtcagactcaaccagcttcccggaatgtgt 449
OY 421 ggtctgaatgcccccaatcaagactctacttccacagtggtactag 468
DB 450 ggtctgaatgcccccaatcaagactctacttccacagtggtactag 497

RESULT 15
US-09-348-942-6
; Sequence 6, Application US/09348942
; GENERAL INFORMATION:
; APPLICANT: John Ford
; TITLE OF INVENTION: A NOVEL INTERLEUKIN-1 RECEPTOR ANTAGONIST AND USES THEREOF
; FILE REFERENCE: 28110/35801
; CURRENT APPLICATION NUMBER: US/09/348,942
; CURRENT FILING DATE: 1999-07-07
; EARLIER APPLICATION NUMBER: PCT/US99/04291
; EARLIER FILING DATE: 1999-04-05
; EARLIER APPLICATION NUMBER: US 09/287,210
; EARLIER FILING DATE: 1999-04-05
; EARLIER APPLICATION NUMBER: US 09/251,370
; EARLIER FILING DATE: 1999-02-17
; EARLIER APPLICATION NUMBER: US 09/229,591
; EARLIER FILING DATE: 1999-01-13
; EARLIER APPLICATION NUMBER: US 09/127,698
; EARLIER FILING DATE: 1998-07-31
; EARLIER APPLICATION NUMBER: US 09/099,818
; EARLIER FILING DATE: 1998-06-19
; EARLIER APPLICATION NUMBER: US 09/082,364
; EARLIER FILING DATE: 1998-05-20
; EARLIER APPLICATION NUMBER: US 09/079,909
; EARLIER FILING DATE: 1998-05-15
; EARLIER APPLICATION NUMBER: US 09/055,010
; EARLIER FILING DATE: 1998-04-03
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 6
; LENGTH: 2648
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-348-942-6

Query Match 100.0%; Score 468; DB 17; Length 2648;
Best Local Similarity 100.0%; Pred. No. 3.7e-236;
Matches 468; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 atgtctcagtgaggcgctgtgtctccgaatgaagagctggcattgaagtgtcttat 60
DB 62 atgtctcagtgaggcgctgtgtctccgaatgaagagctggcattgaagtgtcttat 121
OY 61 ctgcataataaccagctcttaagtctgaaggctgcagcagggaaggtcattaaagttgaa 120
DB 122 ctgcataataaccagctcttaagtctgaaggctgcagcagggaaggtcattaaagttgaa 181
OY 121 gagatcagtggtgtcccaatcggtgtgtcgtgatgcagcgtgtcccccgtcatccctgggt 180
DB 182 gagatcagtggtgtcccaatcggtgtgtcgtgatgcagcgtgtcccccgtcatccctgggt 241

OY 181 gtccagggtggaagccagtgccctgtcatgtggtggtggaagagccgacttaacacta 240
|||||
Db 242 gtccagggtggaagccagtgccctgtcatgtggtggtggaagagccgacttaacacta 301
241 gagccagtgaaacatcatgtgagctctatcttgtgtccaaggaatccaagagcttcaccttc 300
|||||
Db 302 gagccagtgaaacatcatgtgagctctatcttgtgtccaaggaatccaagagcttcaccttc 361
OY 301 tacctggcgggaatgtgggtcaccctccagcttcgagtcggtcgtcctaccgggtgtgttc 360
|||||
Db 362 tacctggcgggaatgtgggtcaccctccagcttcgagtcggtcgtcctaccgggtgtgttc 421
OY 361 ctgttcacggtgtcgtgaagccgacatcagcctgtcagagctcaccagcttcoccgagaatgtt 420
|||||
Db 422 ctgttcacggtgtcgtgaagccgacatcagcctgtcagagctcaccagcttcoccgagaatgtt 481
OY 421 ggcctggaatgcccccatcacagacttctacttccagcagtgtagctag 468
|||||
Db 482 ggcctggaatgcccccatcacagacttctacttccagcagtgtagctag 529

Search completed: February 4, 2002, 15:52:35
Job time: 4180 sec

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GenCore version 4.5
Copyright (c) 1993 - 2000 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: February 4, 2002, 14:13:15 : Search time 44.25 Seconds
(without alignments)
2395.293 Million cell updates/sec

Title: US-09-612-921-3

Perfect score: 468

Sequence: 1 atgtctccagatgagtgagcgct.....acttcagcagtgtagtag 468

Scoring table: OLIGO_NUC
Gapop 60.0, Gapext 60.0

Searched: 351203 seqs, 11323899 residues

Word size: 30

Total number of hits satisfying chosen parameters: 6

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Listing first 45 summaries

Database: Issued_Patents_NA:*

1: /cgn2_6/ptodata/2/ina/5A.COMB.seq:*
2: /cgn2_6/ptodata/2/ina/5B.COMB.seq:*
3: /cgn2_6/ptodata/2/ina/6A.COMB.seq:*
4: /cgn2_6/ptodata/2/ina/6B.COMB.seq:*
5: /cgn2_6/ptodata/2/ina/PCFUS.COMB.seq:*
6: /cgn2_6/ptodata/2/ina/backfile1.seq:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed.
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	468	100.0	1282	4	US-09-417-455-4
2	468	100.0	2648	4	US-09-417-455-6
3	243	51.9	357	4	US-09-417-455-1
4	243	51.9	985	4	US-09-417-455-2
5	227	48.5	5751	4	US-09-417-455-7
6	227	48.5	7605	4	US-09-417-455-8

ALIGNMENTS

RESULT 1
: Sequence 4, Application US/09417455
: Patent No. 6294655
: GENERAL INFORMATION:
: APPLICANT: Ford, John
: APPLICANT: Pace, Ann
: TITLE OF INVENTION: A NOVEL INTERLEUKIN-1 RECEPTOR ANTAGONIST AND USES THEREOF
: FILE REFERENCE: 28110/36328
: CURRENT APPLICATION NUMBER: US/09/417,455
: CURRENT FILING DATE: 1999-10-13
: PRIOR APPLICATION NUMBER: US 09/348,942
: PRIOR FILING DATE: 1999-07-07
: PRIOR APPLICATION NUMBER: PCT/US99/04291
: PRIOR FILING DATE: 1999-04-05
: PRIOR APPLICATION NUMBER: US 09/287,210

: PRIOR FILING DATE: 1999-04-05
: PRIOR APPLICATION NUMBER: US 09/251,370
: PRIOR FILING DATE: 1999-02-17
: PRIOR APPLICATION NUMBER: US 09/229,591
: PRIOR FILING DATE: 1999-01-13
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: PRIOR APPLICATION NUMBER: US 09/099,818
: PRIOR FILING DATE: 1998-06-19
: PRIOR APPLICATION NUMBER: US 09/082,364
: PRIOR FILING DATE: 1998-05-20
: PRIOR APPLICATION NUMBER: US 09/079,909
: PRIOR FILING DATE: 1998-05-15
: PRIOR APPLICATION NUMBER: US 09/055,010
: PRIOR FILING DATE: 1998-04-03
: NUMBER OF SEQ ID NOS: 30
: SOFTWARE: FastSeq for Windows Version 3.0
: SEQ ID NO 4
: LENGTH: 1282
: TYPE: DNA
: ORGANISM: Homo sapiens
: FEATURE:
: NAME/KEY: CDS
: LOCATION: (73)...(537)
US-09-417-455-4

Query Match 100.0%; Score 468; DB 4; Length 1282;
Best Local Similarity 100.0%; Pred. No. 1.6e-228;
Matches 468; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 atgtctccagatgagtgagcgcttgcttcgaatgaagaactcggatgaagtgtttat 60
Db |||||||
QY 73 atgtctccagatgagtgagcgcttgcttcgaatgaagaactcggatgaagtgtttat 132
Db |||||||
QY 61 ctgcataataaccagctctcagctcgaagtgctgcatgcaaggaagatcaaaagttaa 120
Db |||||||
QY 133 ctgcataataaccagctctcagctcgaagtgctgcatgcaaggaagatcaaaagttaa 192
Db |||||||
QY 121 gagatcagcgtgtgtcccaatcgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgt 180
Db |||||||
QY 193 gagatcagcgtgtgtcccaatcgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgt 252
Db |||||||
QY 181 gtccaggtgtgaagcagctgtctatgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgt 240
Db |||||||
QY 253 gtccaggtgtgaagcagctgtctatgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgt 312
Db |||||||
QY 241 gagcagtggaacatcatgagctctatctgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgt 300
Db |||||||
QY 313 gagcagtggaacatcatgagctctatctgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgt 372
Db |||||||
QY 301 taccgagcgaacatgagctctacactcagctcagctcagctcagctcagctcagctcagctc 360
Db |||||||
QY 373 taccgagcgaacatgagctctacactcagctcagctcagctcagctcagctcagctcagctc 432
Db |||||||
QY 361 ctgtgcaagtgctgtgaagcagctcagctcagctcagctcagctcagctcagctcagctcagctc 420
Db |||||||
QY 433 ctgtgcaagtgctgtgaagcagctcagctcagctcagctcagctcagctcagctcagctcagctc 492
Db |||||||
QY 421 ggcctggaatgccccatcacagacttctacttcagcagctgtgtagtag 468
Db |||||||
QY 493 ggcctggaatgccccatcacagacttctacttcagcagctgtgtagtag 540
Db |||||||

RESULT 2
US-09-417-455-6
: Sequence 6, Application US/09417455
: Patent No. 6294655
: GENERAL INFORMATION:
: APPLICANT: Ford, John
: APPLICANT: Pace, Ann
: TITLE OF INVENTION: A NOVEL INTERLEUKIN-1 RECEPTOR ANTAGONIST AND USES THEREOF
: FILE REFERENCE: 28110/36328

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; CURRENT APPLICATION NUMBER: US/09/417,455
; CURRENT FILING DATE: 1999-10-13
; PRIOR APPLICATION NUMBER: US 09/348,942
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: PCT/US99/04291
; PRIOR FILING DATE: 1999-04-05
; PRIOR APPLICATION NUMBER: US 09/287,210
; PRIOR FILING DATE: 1999-04-05
; PRIOR APPLICATION NUMBER: US 09/251,370
; PRIOR FILING DATE: 1999-02-17
; PRIOR APPLICATION NUMBER: US 09/229,591
; PRIOR FILING DATE: 1999-01-13
; PRIOR APPLICATION NUMBER: US 09/127,698
; PRIOR FILING DATE: 1998-07-31
; PRIOR APPLICATION NUMBER: US 09/099,818
; PRIOR FILING DATE: 1998-06-19
; PRIOR APPLICATION NUMBER: US 09/082,364
; PRIOR FILING DATE: 1998-05-20
; PRIOR APPLICATION NUMBER: US 09/079,909
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: US 09/055,010
; PRIOR FILING DATE: 1998-04-03
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO: 6
; LENGTH: 2648
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-417-455-6

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Query Match          100.0%; Score 468; DB 4; Length 2648;
Best Local Similarity 100.0%; Pred. No. 1.6e-228;
Matches 468; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 atggtctctagtggtggcgctgtgtctcgaatgaagagctggcatlgaagtgcttat 60
    |||||||
Db 62 atgtctctagtggtggcgctgtgtctcgaatgaagagctggcatlgaagtgcttat 121

QY 61 ctgcataataacacagcttctaagctggaagggcgatgcagcagggaaggtcttaagtgtaa 120
    |||||||
Db 122 ctgcataataacacagcttctaagctggaagggcgatgcagcagggaaggtcttaagtgtaa 181

QY 121 gagatcagcgttggtcccaatcgtgtgctgagatgcagccttcccccgtcatcctgggt 180
    |||||||
Db 182 gagatcagcgttggtcccaatcgtgtgctgagatgcagccttcccccgtcatcctgggt 241

QY 181 gtccaggtgtgaagccagtgtctcatatgtgggtgtgggcaggaagccgaacttaacacta 240
    |||||||
Db 242 gtccaggtgtgaagccagtgtctcatatgtgggtgtgggcaggaagccgaacttaacacta 301

QY 241 gggccaggtgaacatataagctctatctgtgtccaaagaaatccaagagcttcaacttc 300
    |||||||
Db 302 gggccaggtgaacatataagctctatctgtgtgtccaaagaaatccaagagcttcaacttc 361

QY 301 taccggcggaacatggtgggtcaccctccacagcttcgaatgcgtgcgtaccggggtgtgtc 360
    |||||||
Db 362 taccggcggaacatggtgggtcaccctccacagcttcgaatgcgtgcgtaccggggtgtgtc 421

QY 361 ctgtgacaggtgtcctggaagccgatcagcctgtcagaactcaccagcttcccgagaatggt 420
    |||||||
Db 422 ctgtgacaggtgtcctggaagccgatcagcctgtcagaactcaccagcttcccgagaatggt 481

QY 421 ggctggaatgcccccatcacagacttctactcccgacgagtgtgactag 468
    |||||||
Db 482 ggctggaatgcccccatcacagacttctactcccgacgagtgtgactag 529

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; APPLICANT: Ford, John
; APPLICANT: Pace, Ann
; TITLE OF INVENTION: A NOVEL INTERLEUKIN-1 RECEPTOR ANTAGONIST AND USES THEREOF
; FILE REFERENCE: 28110/36328
; CURRENT APPLICATION NUMBER: US/09/417,455
; CURRENT FILING DATE: 1999-10-13
; PRIOR APPLICATION NUMBER: US 09/348,942
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: PCT/US99/04291
; PRIOR FILING DATE: 1999-04-05
; PRIOR APPLICATION NUMBER: US 09/287,210
; PRIOR FILING DATE: 1999-04-05
; PRIOR APPLICATION NUMBER: US 09/251,370
; PRIOR FILING DATE: 1999-02-17
; PRIOR APPLICATION NUMBER: US 09/229,591
; PRIOR FILING DATE: 1999-01-13
; PRIOR APPLICATION NUMBER: US 09/127,698
; PRIOR FILING DATE: 1998-07-31
; PRIOR APPLICATION NUMBER: US 09/099,818
; PRIOR FILING DATE: 1998-06-19
; PRIOR APPLICATION NUMBER: US 09/082,364
; PRIOR FILING DATE: 1998-05-20
; PRIOR APPLICATION NUMBER: US 09/079,909
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: US 09/055,010
; PRIOR FILING DATE: 1998-04-03
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO: 1
; LENGTH: 357
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc-feature
; LOCATION: (1)...(357)
; OTHER INFORMATION: n = A,T,C or G
US-09-417-455-1

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Query Match          51.9%; Score 243; DB 4; Length 357;
Best Local Similarity 100.0%; Pred. No. 2.7e-114;
Matches 243; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 226 ccgactctaacactagagccagtgaacatcatcagagctctatctgtgtccaaagaatcc 285
    |||||||
Db 1 ccgactctaacactagagccagtgaacatcatcagagctctatctgtgtgtccaaagaatcc 60

QY 286 aagagcttcaactcttaccggcggaacatggtggtctcaactccagcttcgaatcgggtgctgc 345
    |||||||
Db 61 aagagcttcaactcttaccggcggaacatggtggtctcaactccagcttcgaatcgggtgctgc 120

QY 346 taccgggtgtgttctctgtgacaggtgtcctggaagccgatcagcctgtgaactaccag 405
    |||||||
Db 121 taccgggtgtgttctctgtgacaggtgtcctggaagccgatcagcctgtgaactaccag 180

QY 406 ctcccgagaatggtggtcgtggaatgcccccatcacagacttacttccagagatgtgac 465
    |||||||
Db 181 ctcccgagaatggtggtcgtggaatgcccccatcacagacttacttccagagatgtgac 240

QY 466 tag 468
    |||
Db 241 tag 243

```

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RESULT 3
US-09-417-455-1
; Sequence 1, Application US/09417455
; Patent No. 6294655
; GENERAL INFORMATION:
;
RESULT 4
US-09-417-455-2
; Sequence 2, Application US/09417455
; Patent No. 6294655
; GENERAL INFORMATION:
; APPLICANT: Ford, John
; APPLICANT: Pace, Ann
; TITLE OF INVENTION: A NOVEL INTERLEUKIN-1 RECEPTOR ANTAGONIST AND USES THEREOF
; FILE REFERENCE: 28110/36328

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;; CURRENT APPLICATION NUMBER: US/09/417,455
;; CURRENT FILING DATE: 1999-10-13
;; PRIOR APPLICATION NUMBER: US 09/348,942
;; PRIOR FILING DATE: 1999-07-07
;; PRIOR APPLICATION NUMBER: PCT/US99/04291
;; PRIOR FILING DATE: 1999-04-05
;; PRIOR APPLICATION NUMBER: US 09/287,210
;; PRIOR FILING DATE: 1999-04-05
;; PRIOR APPLICATION NUMBER: US 09/251,370
;; PRIOR FILING DATE: 1999-02-17
;; PRIOR APPLICATION NUMBER: US 09/229,591
;; PRIOR FILING DATE: 1999-01-13
;; PRIOR APPLICATION NUMBER: US 09/127,698
;; PRIOR FILING DATE: 1998-07-31
;; PRIOR APPLICATION NUMBER: US 09/099,818
;; PRIOR FILING DATE: 1998-06-19
;; PRIOR APPLICATION NUMBER: US 09/082,364
;; PRIOR FILING DATE: 1998-05-20
;; PRIOR APPLICATION NUMBER: US 09/079,909
;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: US 09/055,010
;; PRIOR FILING DATE: 1998-04-03
;; NUMBER OF SEQ ID NOS: 30
;; SOFTWARE: FASTSEQ for Windows Version 3.0
;; SEQ ID NO 2
;; LENGTH: 985
;; TYPE: DNA
;; ORGANISM: Homo sapiens
;; FEATURE:
;; NAME/KEY: CDS
;; LOCATION: (1)...(240)
US-09-417-455-2
```

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Query Match          51.9%; Score 243; DB 4; Length 985;
Best Local Similarity 100.0%; Pred. No. 2.8e-114;
Matches 243; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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OY 226 cggactctaaactagagccagtgtaactctatctgtgtgccaagaatccc 285
Db 1 ccgactctaaactagagccagtgtaactctatctgtgtgccaagaatccc 60
OY 286 aagaactctacactctacacggcggagacatggggcctcagcttcgagtcgctgc 345
Db 61 aagaactctacactctacacggcggagacatggggcctcagcttcgagtcgctgc 120
OY 346 taccgggctgttctctgtgacaggtgcttaagccgatacagctgtcagaactcaccag 405
Db 121 taccgggctgttctctgtgacaggtgcttaagccgatacagctgtcagaactcaccag 180
OY 406 ctcccggaatgtgtgtgtaatgcccccatcaagaactctactctcagcagtgtagc 465
Db 181 ctcccggaatgtgtgtgtaatgcccccatcaagaactctactctcagcagtgtagc 240
OY 466 tag 468
Db 241 tag 243

RESULT 5
US-09-417-455-7
; Sequence 7, Application US/09417455
; Patent No. 6294655
; GENERAL INFORMATION:
; APPLICANT: Pace, Ann
; APPLICANT: Ford, John
; TITLE OF INVENTION: A NOVEL INTERLEUKIN-1 RECEPTOR ANTAGONIST AND USES THEREOF
; FILE REFERENCE: 28110/36328
; CURRENT APPLICATION NUMBER: US/09/417,455
; CURRENT FILING DATE: 1999-10-13
; PRIOR APPLICATION NUMBER: US 09/348,942
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: PCT/US99/04291
```

```
;; PRIOR FILING DATE: 1999-04-05
;; PRIOR APPLICATION NUMBER: US 09/287,210
;; PRIOR FILING DATE: 1999-04-05
;; PRIOR APPLICATION NUMBER: US 09/251,370
;; PRIOR FILING DATE: 1999-02-17
;; PRIOR APPLICATION NUMBER: US 09/229,591
;; PRIOR FILING DATE: 1999-01-13
;; PRIOR APPLICATION NUMBER: US 09/127,698
;; PRIOR FILING DATE: 1998-07-31
;; PRIOR APPLICATION NUMBER: US 09/099,818
;; PRIOR FILING DATE: 1998-06-19
;; PRIOR APPLICATION NUMBER: US 09/082,364
;; PRIOR FILING DATE: 1998-05-20
;; PRIOR APPLICATION NUMBER: US 09/079,909
;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: US 09/055,010
;; PRIOR FILING DATE: 1998-04-03
;; NUMBER OF SEQ ID NOS: 30
;; SOFTWARE: FASTSEQ for Windows Version 3.0
;; SEQ ID NO 7
;; LENGTH: 5751
;; TYPE: DNA
;; ORGANISM: Homo sapiens
;; FEATURE:
;; NAME/KEY: misc-feature
;; LOCATION: (1)...(5751)
;; OTHER INFORMATION: n = A,T,C or G
US-09-417-455-7
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Query Match          48.5%; Score 227; DB 4; Length 5751;
Best Local Similarity 100.0%; Pred. No. 3.7e-106;
Matches 227; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
OY 242 agccagtgaacatacagtagagctctactctgtgtgccaagaatccaagaactcactct 301
Db 4073 agccagtgaacatacagtagagctctactctgtgtgccaagaatccaagaactcactct 4132
OY 302 accggcggaatgggggtctacactcagcttcgagctgagctgctcaccgggctggtccc 361
Db 4133 accggcggaatgggggtctacactcagcttcgagctgagctgctcaccgggctggtccc 4192
OY 362 tgtgacagtgctcctgaagccgatacagctgtcagacatcaccagcttcaggagaatgtg 421
Db 4193 tgtgacagtgctcctgaagccgatacagctgtcagacatcaccagcttcaggagaatgtg 4252
OY 422 gctggaatgcccccatcaagaactctactctcagcagtgtagc 468
Db 4253 gctggaatgcccccatcaagaactctactctcagcagtgtagc 4299

RESULT 6
US-09-417-455-8
; Sequence 8, Application US/09417455
; Patent No. 6294655
; GENERAL INFORMATION:
; APPLICANT: Pace, Ann
; APPLICANT: Ford, John
; TITLE OF INVENTION: A NOVEL INTERLEUKIN-1 RECEPTOR ANTAGONIST AND USES THEREOF
; FILE REFERENCE: 28110/36328
; CURRENT APPLICATION NUMBER: US/09/417,455
; CURRENT FILING DATE: 1999-10-13
; PRIOR APPLICATION NUMBER: US 09/348,942
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: PCT/US99/04291
; PRIOR FILING DATE: 1999-04-05
; PRIOR APPLICATION NUMBER: US 09/287,210
; PRIOR FILING DATE: 1999-04-05
; PRIOR APPLICATION NUMBER: US 09/251,370
; PRIOR FILING DATE: 1999-02-17
; PRIOR APPLICATION NUMBER: US 09/229,591
; PRIOR FILING DATE: 1999-01-13
; PRIOR APPLICATION NUMBER: US 09/127,698
```

;; PRIOR FILING DATE: 1998-07-31
;; PRIOR APPLICATION NUMBER: US 09/099,818
;; PRIOR FILING DATE: 1998-06-19
;; PRIOR APPLICATION NUMBER: US 09/082,364
;; PRIOR FILING DATE: 1998-05-20
;; PRIOR APPLICATION NUMBER: US 09/079,909
;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: US 09/055,010
;; PRIOR FILING DATE: 1998-04-03
;; NUMBER OF SEQ ID NOS: 30
;; SOFTWARE: FASTSEQ for Windows Version 3.0
;; SEQ ID NO: 8
;; LENGTH: 7605
;; TYPE: DNA
;; ORGANISM: Homo sapiens
US-09-417-455-8

Query Match 48.5%; Score 227; DB 4; Length 7605;
Best Local Similarity 100.0%; Pred. No. 3.7e-106;
Matches 227; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 242 agccaagtgacatcatcagatgagctctatcttgggtgccaaggaatccaaagagcttcaccttct 301
|||
Db 5105 agccagtgacatcatcagatgagctctatcttgggtgccaaggaatccaaagagcttcaccttct 5164
QY 302 accggcgaggacatggggtctacactcagcttcgagtcggtcgtgctaccggggtgttcc 361
|||
Db 5165 accggcgaggacatggggtctacactcagcttcgagtcggtcgtgctaccggggtgttcc 5224
QY 362 tgtgacagtgctcctgaagccgacatcagctctgacactcaccagcttcccgagaatggtg 421
|||
Db 5225 tgtgacagtgctcctgaagccgacatcagctctgacactcaccagcttcccgagaatggtg 5284
QY 422 gctggaatgccccatcacagacttctacttccagcagtgtagtag 468
|||
Db 5285 gctggaatgccccatcacagacttctacttccagcagtgtagtag 5331

Search completed: February 4, 2002, 15:15:01
Job time: 3706 sec